

## Type 3650 Series

### Key Features

Ceramic base provides high SRF

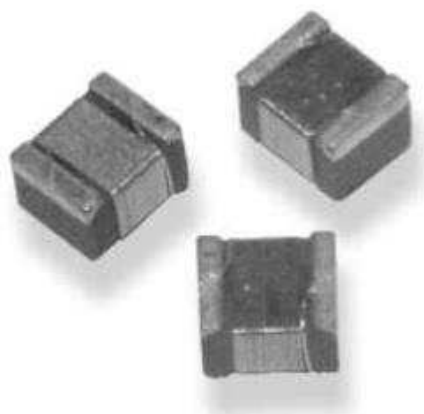
Ultra-compact inductors provide high Q factors

High Q and high current versions available

Suitable for fully automated assembly

Outstanding endurance from Pull-up force, mechanical shock and pressure

AEC-Q200 Qualified (Standard Type only)



TE Connectivity is proud to announce that the 3650 Series wire wound Low Inductance, High Frequency Chip Inductor (standard version) is now AEC-Q200 Qualified. The 3650 is available in four package sizes, includes High Current and High Q versions and is designed for automatic placement. Please note; These products are now supplied unmarked.

## Characteristics – Electrical

### Type 36501E Series – 0402 Package AEC-Q200

| Inductance |     | Tolerance<br>(± %) | L<br>Freq.<br>(MHz) | Quality<br>Factor<br>Min. | SRF<br>(GHz)<br>Min | DCR<br>(Ω)<br>Max. | IDC<br>(mA)<br>Max. | 900MHz |    | 1.7GHz |     |
|------------|-----|--------------------|---------------------|---------------------------|---------------------|--------------------|---------------------|--------|----|--------|-----|
| Code       | NH  |                    |                     |                           |                     |                    |                     | L      | Q  | L      | Q   |
| 1N0        | 1.0 | 10                 | 250                 | 16                        | 12.70               | 0.045              | 1360                | 1.02   | 77 | 1.02   | 69  |
| 1N9        | 1.9 | 10                 | 250                 | 16                        | 11.30               | 0.070              | 1040                | 1.72   | 68 | 1.74   | 82  |
| 2N0        | 2.0 | 10                 | 250                 | 16                        | 11.10               | 0.070              | 1040                | 1.93   | 54 | 1.93   | 75  |
| 2N2        | 2.2 | 10                 | 250                 | 19                        | 10.80               | 0.070              | 960                 | 2.19   | 59 | 2.23   | 100 |
| 2N4        | 2.4 | 10                 | 250                 | 15                        | 10.50               | 0.070              | 790                 | 2.24   | 51 | 2.27   | 68  |
| 2N7        | 2.7 | 10                 | 250                 | 16                        | 10.40               | 0.120              | 640                 | 2.23   | 42 | 2.25   | 61  |
| 3N3        | 3.3 | 10                 | 250                 | 19                        | 7.00                | 0.066              | 840                 | 3.10   | 65 | 3.12   | 87  |
| 3N6        | 3.6 | 5, 10              | 250                 | 19                        | 6.80                | 0.066              | 840                 | 3.56   | 45 | 3.62   | 71  |
| 3N9        | 3.9 | 5, 10              | 250                 | 19                        | 5.80                | 0.066              | 840                 | 3.89   | 50 | 4.00   | 75  |
| 4N3        | 4.3 | 5, 10              | 250                 | 18                        | 6.00                | 0.091              | 700                 | 4.19   | 47 | 4.30   | 71  |
| 4N7        | 4.7 | 5, 10              | 250                 | 18                        | 4.70                | 0.130              | 640                 | 4.55   | 48 | 4.68   | 68  |
| 5N1        | 5.1 | 5, 10              | 250                 | 20                        | 4.80                | 0.083              | 800                 | 5.15   | 56 | 5.25   | 82  |
| 5N6        | 5.6 | 5, 10              | 250                 | 20                        | 4.80                | 0.083              | 760                 | 5.16   | 54 | 5.28   | 81  |
| 6N2        | 6.2 | 5, 10              | 250                 | 20                        | 4.80                | 0.083              | 760                 | 6.16   | 52 | 6.37   | 76  |
| 6N8        | 6.8 | 5, 10              | 250                 | 20                        | 4.80                | 0.083              | 680                 | 6.56   | 63 | 6.93   | 78  |
| 7N5        | 7.5 | 5, 10              | 250                 | 22                        | 4.80                | 0.104              | 680                 | 7.91   | 60 | 8.22   | 88  |
| 8N2        | 8.2 | 5, 10              | 250                 | 22                        | 4.40                | 0.104              | 680                 | 8.50   | 57 | 8.85   | 84  |
| 8N7        | 8.7 | 5, 10              | 250                 | 18                        | 4.10                | 0.200              | 480                 | 8.78   | 54 | 9.21   | 73  |
| 9N0        | 9.0 | 5, 10              | 250                 | 22                        | 4.16                | 0.104              | 680                 | 9.07   | 62 | 9.53   | 78  |
| 9N5        | 9.5 | 5, 10              | 250                 | 18                        | 4.00                | 0.200              | 480                 | 9.42   | 54 | 9.98   | 69  |

## Characteristics – Electrical

### Type 36501E Series – 0402 Package (Continued)

| Inductance Code | nH  | Tolerance (± %) | L Freq. (MHz) | Quality Factor Min. | SRF (GHz) Min. | DCR (Ω) Max. | IDC (mA) Max. | 900MHz |    | 1.7GHz |    |
|-----------------|-----|-----------------|---------------|---------------------|----------------|--------------|---------------|--------|----|--------|----|
|                 |     |                 |               |                     |                |              |               | L      | Q  | L      | Q  |
| 10N             | 10  | 2, 5, 10        | 250           | 21                  | 3.90           | 0.195        | 480           | 9.80   | 50 | 10.10  | 67 |
| 11N             | 11  | 2, 5, 10        | 250           | 24                  | 3.68           | 0.120        | 640           | 10.70  | 52 | 11.20  | 78 |
| 12N             | 12  | 2, 5, 10        | 250           | 24                  | 3.60           | 0.120        | 640           | 11.90  | 53 | 12.70  | 71 |
| 13N             | 13  | 2, 5, 10        | 250           | 24                  | 3.45           | 0.210        | 440           | 13.40  | 51 | 14.60  | 57 |
| 15N             | 15  | 2, 5, 10        | 250           | 24                  | 3.28           | 0.172        | 560           | 14.60  | 55 | 15.50  | 77 |
| 16N             | 16  | 2, 5, 10        | 250           | 24                  | 3.10           | 0.220        | 560           | 16.60  | 46 | 18.80  | 47 |
| 18N             | 18  | 2, 5, 10        | 250           | 25                  | 3.10           | 0.230        | 420           | 18.30  | 57 | 20.30  | 62 |
| 19N             | 19  | 2, 5, 10        | 250           | 24                  | 3.04           | 0.202        | 480           | 19.10  | 50 | 21.10  | 67 |
| 20N             | 20  | 2, 5, 10        | 250           | 25                  | 3.00           | 0.250        | 420           | 20.70  | 52 | 23.70  | 53 |
| 22N             | 22  | 2, 5, 10        | 250           | 25                  | 2.80           | 0.300        | 400           | 23.20  | 53 | 26.80  | 53 |
| 23N             | 23  | 2, 5, 10        | 250           | 24                  | 2.72           | 0.300        | 400           | 23.80  | 49 | 26.90  | 64 |
| 24N             | 24  | 2, 5, 10        | 250           | 25                  | 2.70           | 0.300        | 400           | 25.10  | 51 | 29.50  | 50 |
| 27N             | 27  | 2, 5, 10        | 250           | 24                  | 2.48           | 0.300        | 400           | 28.70  | 49 | 33.50  | 63 |
| 30N             | 30  | 2, 5, 10        | 250           | 25                  | 2.35           | 0.350        | 400           | 31.10  | 46 | 38.50  | 39 |
| 33N             | 33  | 2, 5, 10        | 250           | 24                  | 2.35           | 0.350        | 400           | 34.90  | 31 | 41.70  | 32 |
| 36N             | 36  | 2, 5, 10        | 250           | 24                  | 2.32           | 0.440        | 320           | 39.50  | 44 | 48.40  | 53 |
| 39N             | 39  | 2, 5, 10        | 250           | 25                  | 2.10           | 0.550        | 200           | 41.70  | 47 | 50.20  | 45 |
| 40N             | 40  | 2, 5, 10        | 250           | 24                  | 2.24           | 0.500        | 320           | 39.00  | 44 | 47.40  | 33 |
| 43N             | 43  | 2, 5, 10        | 250           | 25                  | 2.03           | 0.810        | 100           | 45.80  | 49 | 61.60  | 34 |
| 47N             | 47  | 2, 5, 10        | 250           | 25                  | 2.10           | 0.830        | 150           | 50.00  | 38 | 55.80  | 37 |
| 51N             | 51  | 2, 5, 10        | 250           | 25                  | 1.75           | 0.820        | 100           | 50.40  | 47 | 59.40  | 37 |
| 56N             | 56  | 2, 5, 10        | 250           | 25                  | 1.76           | 0.970        | 100           | 57.40  | 49 | 72.40  | 40 |
| 68N             | 68  | 2, 5, 10        | 250           | 22                  | 1.62           | 1.120        | 100           | 69.60  | 45 | 83.40  | 38 |
| 82N             | 82  | 2, 5, 10        | 250           | 22                  | 1.26           | 1.550        | 50            | -      | -  | -      | -  |
| R10             | 100 | 2, 5, 10        | 250           | 22                  | 1.16           | 2.000        | 30            | -      | -  | -      | -  |
| R12             | 120 | 2, 5, 10        | 250           | 20                  | >1.80          | 2.660        | 50            | -      | -  | -      | -  |

### Type 36501J Series – 0603 Package AEC-Q200

| Inductance Code | nH  | Tolerance (± %) | L Freq. (MHz) | Quality Factor Min. | SRF (GHz) Min. | DCR (Ω) Max. | IDC (mA) Max. | 900MHz |    | 1.7GHz |    |
|-----------------|-----|-----------------|---------------|---------------------|----------------|--------------|---------------|--------|----|--------|----|
|                 |     |                 |               |                     |                |              |               | L      | Q  | L      | Q  |
| 1N6             | 1.6 | 5, 10           | 250           | 24                  | 12.5           | 0.030        | 700           | 1.53   | 35 | 1.58   | 55 |
| 1N8             | 1.8 | 5, 10           | 250           | 16                  | 12.5           | 0.045        | 700           | 1.63   | 35 | 1.66   | 50 |
| 2N2             | 2.2 | 5, 10           | 250           | 15                  | 6.00           | 0.100        | 700           | 2.18   | 41 | 2.20   | 64 |
| 2N3             | 2.3 | 5, 10           | 250           | 16                  | >4.00          | 0.140        | 700           | 2.32   | 32 | 2.35   | 40 |
| 3N3             | 3.3 | 2, 5, 10        | 250           | 22                  | >6.00          | 0.080        | 700           | 3.35   | 47 | 3.40   | 65 |
| 3N6             | 3.6 | 2, 5, 10        | 250           | 22                  | 5.80           | 0.063        | 700           | 3.53   | 49 | 3.58   | 65 |
| 3N9             | 3.9 | 2, 5, 10        | 250           | 22                  | >6.00          | 0.080        | 700           | 3.95   | 49 | 3.96   | 67 |
| 4N3             | 4.3 | 2, 5, 10        | 250           | 22                  | 5.80           | 0.063        | 700           | 4.32   | 49 | 4.43   | 67 |
| 4N5             | 4.5 | 2, 5, 10        | 250           | 20                  | 5.80           | 0.120        | 700           | 4.74   | 55 | 4.87   | 92 |
| 4N7             | 4.7 | 2, 5, 10        | 250           | 25                  | 5.80           | 0.120        | 700           | 4.65   | 53 | 4.80   | 67 |
| 5N1             | 5.1 | 2, 5, 10        | 250           | 20                  | 5.80           | 0.160        | 700           | 5.13   | 47 | 5.36   | 56 |
| 5N6             | 5.6 | 2, 5, 10        | 250           | 20                  | 5.80           | 0.170        | 700           | 5.53   | 56 | 5.86   | 77 |
| 6N2             | 6.2 | 2, 5, 10        | 250           | 25                  | 5.80           | 0.110        | 700           | 6.28   | 60 | 6.40   | 85 |
| 6N3             | 6.3 | 2, 5, 10        | 250           | 25                  | 5.80           | 0.110        | 700           | 6.67   | 41 | 6.86   | 61 |
| 6N8             | 6.8 | 2, 5, 10        | 250           | 27                  | 5.80           | 0.110        | 700           | 6.75   | 60 | 7.10   | 85 |
| 7N5             | 7.5 | 2, 5, 10        | 250           | 28                  | 4.80           | 0.106        | 700           | 7.70   | 60 | 7.82   | 61 |
| 8N2             | 8.2 | 2, 5, 10        | 250           | 27                  | 4.80           | 0.110        | 700           | 8.25   | 64 | 8.40   | 81 |
| 8N7             | 8.7 | 2, 5, 10        | 250           | 28                  | 4.80           | 0.109        | 700           | 8.86   | 62 | 9.32   | 58 |
| 9N1             | 9.1 | 2, 5, 10        | 250           | 35                  | 4.80           | 0.130        | 700           | 9.20   | 70 | 9.70   | 80 |
| 9N5             | 9.5 | 2, 5, 10        | 250           | 28                  | 5.40           | 0.135        | 700           | 9.70   | 59 | 9.92   | 61 |

### Type 36501J Series – 0603 Package (continued)

| Inductance |     | Tolerance<br>(± %) | L<br>Freq.<br>(MHz) | Quality<br>Factor<br>Min. | SRF<br>(GHz)<br>Min. | DCR<br>(Ω)<br>Max. | IDC<br>(mA)<br>Max. | 900MHz |    | 1.7GHz |    |
|------------|-----|--------------------|---------------------|---------------------------|----------------------|--------------------|---------------------|--------|----|--------|----|
| Code       | nH  |                    |                     |                           |                      |                    |                     | L      | Q  | L      | Q  |
| 10N        | 10  | 2, 5, 10           | 250                 | 31                        | 4.80                 | 0.130              | 700                 | 10.0   | 66 | 10.6   | 83 |
| 11N        | 11  | 2, 5, 10           | 250                 | 31                        | 4.00                 | 0.086              | 700                 | 11.3   | 53 | 12.1   | 56 |
| 12N        | 12  | 2, 5, 10           | 250                 | 35                        | 4.00                 | 0.130              | 700                 | 12.3   | 72 | 13.5   | 83 |
| 15N        | 15  | 2, 5, 10           | 250                 | 35                        | 4.00                 | 0.170              | 700                 | 15.4   | 64 | 16.8   | 89 |
| 16N        | 16  | 2, 5, 10           | 250                 | 35                        | 3.30                 | 0.110              | 700                 | 16.5   | 55 | 18.0   | 52 |
| 17N        | 17  | 2, 5, 10           | 250                 | 35                        | 3.20                 | 0.170              | 700                 | 17.6   | 56 | 19.4   | 44 |
| 18N        | 18  | 2, 5, 10           | 250                 | 35                        | 3.10                 | 0.170              | 700                 | 18.7   | 70 | 21.4   | 69 |
| 20N        | 20  | 2, 5, 10           | 250                 | 40                        | 3.00                 | 0.190              | 700                 | 20.7   | 80 | 23.5   | 30 |
| 22N        | 22  | 2, 5, 10           | 250                 | 38                        | 3.00                 | 0.190              | 700                 | 22.8   | 73 | 26.1   | 71 |
| 23N        | 23  | 2, 5, 10           | 250                 | 38                        | 2.85                 | 0.190              | 700                 | 24.1   | 71 | 28.0   | 71 |
| 24N        | 24  | 2, 5, 10           | 250                 | 38                        | 2.80                 | 0.130              | 700                 | 25.7   | 45 | 30.9   | 40 |
| 27N        | 27  | 2, 5, 10           | 250                 | 40                        | 2.80                 | 0.220              | 600                 | 29.2   | 74 | 34.6   | 65 |
| 30N        | 30  | 2, 5, 10           | 250                 | 40                        | 2.80                 | 0.150              | 600                 | 31.4   | 47 | 39.8   | 28 |
| 33N        | 33  | 2, 5, 10           | 250                 | 40                        | 2.30                 | 0.220              | 600                 | 36.0   | 67 | 49.5   | 42 |
| 36N        | 36  | 2, 5, 10           | 250                 | 37                        | 2.30                 | 0.250              | 600                 | 39.1   | 47 | 48.9   | 24 |
| 39N        | 39  | 2, 5, 10           | 250                 | 40                        | 2.20                 | 0.250              | 600                 | 42.7   | 60 | 60.2   | 40 |
| 43N        | 43  | 2, 5, 10           | 200                 | 38                        | 2.00                 | 0.280              | 600                 | 46.9   | 44 | 60.3   | 21 |
| 47N        | 47  | 2, 5, 10           | 200                 | 38                        | 2.00                 | 0.280              | 600                 | 52.2   | 62 | 77.2   | 35 |
| 51N        | 51  | 2, 5, 10           | 200                 | 38                        | 1.90                 | 0.280              | 600                 | 55.5   | 69 | 82.2   | 34 |
| 56N        | 56  | 2, 5, 10           | 200                 | 38                        | 1.90                 | 0.310              | 600                 | 62.5   | 56 | 97.0   | 26 |
| 62N        | 62  | 2, 5, 10           | 200                 | 37                        | 1.80                 | 0.340              | 600                 | 68.0   | 40 | 110    | 10 |
| 68N        | 68  | 2, 5, 10           | 200                 | 37                        | 1.70                 | 0.340              | 600                 | 80.5   | 54 | 168    | 21 |
| 72N        | 72  | 2, 5, 10           | 150                 | 34                        | 1.70                 | 0.490              | 600                 | 82.0   | 53 | 135    | 20 |
| 82N        | 82  | 2, 5, 10           | 150                 | 34                        | 1.70                 | 0.540              | 400                 | 96.2   | 54 | 177    | 21 |
| 91N        | 91  | 2, 5, 10           | 150                 | 30                        | 1.70                 | 0.500              | 400                 | 110.0  | 50 | 416.4  | 6  |
| R10        | 100 | 2, 5, 10           | 150                 | 34                        | 1.40                 | 0.580              | 400                 | 124.0  | 49 | 319.5  | 13 |
| R11        | 110 | 2, 5, 10           | 150                 | 32                        | 1.35                 | 0.610              | 300                 | 138.0  | 43 | 342.7  | 15 |
| R12        | 120 | 2, 5, 10           | 150                 | 32                        | 1.30                 | 0.650              | 300                 | 166.0  | 39 | 529.3  | 8  |
| R13        | 130 | 2, 5, 10           | 150                 | 30                        | 1.40                 | 0.720              | 300                 | 185.0  | 60 | -      | -  |
| R14        | 140 | 2, 5, 10           | 100                 | 28                        | 1.30                 | 0.870              | 280                 | 190.0  | 80 | -      | -  |
| R15        | 150 | 2, 5, 10           | 100                 | 28                        | 1.30                 | 0.950              | 280                 | 230.0  | 25 | -      | -  |
| R16        | 160 | 2, 5, 10           | 100                 | 25                        | 1.30                 | 1.400              | 280                 | 215.0  | 20 | -      | -  |
| R18        | 180 | 2, 5, 10           | 100                 | 25                        | 1.25                 | 1.400              | 250                 | 305.0  | 22 | -      | -  |
| R22        | 220 | 2, 5, 10           | 100                 | 25                        | 1.20                 | 1.600              | 250                 | 377.0  | 21 | -      | -  |
| R26        | 260 | 2, 5, 10           | 100                 | 25                        | 1.00                 | 2.000              | 200                 | 469.0  | 21 | -      | -  |
| R27        | 270 | 2, 5, 10           | 100                 | 25                        | 0.90                 | 2.100              | 200                 | 523.0  | 19 | -      | -  |
| R28        | 280 | 2, 5, 10           | 100                 | 25                        | 1.00                 | 2.400              | 100                 | 524.0  | 18 | -      | -  |
| R30        | 300 | 2, 5, 10           | 100                 | 25                        | 0.75                 | 2.500              | 150                 | 539.7  | 21 | -      | -  |
| R33        | 330 | 2, 5, 10           | 100                 | 25                        | 0.90                 | 3.800              | 100                 | 680.4  | 20 | -      | -  |
| R39        | 390 | 2, 5, 10           | 100                 | 25                        | 0.90                 | 4.350              | 100                 | 734.5  | 29 | -      | -  |
| R47        | 470 | 2, 5, 10           | 100                 | 23                        | 0.60                 | 3.600              | 80                  | -      | -  | -      | -  |

### Type 36502A Series – 0805 Package AEC-Q200

| Inductance |     | Tolerance | L.<br>Freq.<br>(MHz) | Quality<br>Factor<br>Min. | SRF<br>(GHz) min. | DCR<br>(Ω) max. | IDC<br>(mA) max. |
|------------|-----|-----------|----------------------|---------------------------|-------------------|-----------------|------------------|
| Code       | nH  |           |                      |                           |                   |                 |                  |
| 2N7        | 2.7 | ±5, ±10%  | 250                  | 80 @ 1500MHz              | 7.900             | 0.06            | 800              |
| 2N8        | 2.8 | ±5, ±10%  | 250                  | 80 @ 1500MHz              | 7.900             | 0.06            | 800              |
| 3N0        | 3.0 | ±5, ±10%  | 250                  | 65 @ 1500MHz              | 7.900             | 0.06            | 800              |
| 3N3        | 3.3 | ±5, ±10%  | 250                  | 50 @ 1500MHz              | 6.000             | 0.08            | 600              |
| 3N9        | 3.9 | ±5, ±10%  | 250                  | 50 @ 1500MHz              | 5.500             | 0.08            | 600              |
| 4N7        | 4.7 | ±5, ±10%  | 250                  | 65 @ 1000MHz              | 5.500             | 0.08            | 600              |
| 5N6        | 5.6 | ±5, ±10%  | 250                  | 65 @ 1000MHz              | 5.500             | 0.08            | 600              |

## Type 36502A Series – 0805 Package (continued)

| Inductance |      | Tolerance                | L. Freq. (MHz) | Quality Factor Min. | SRF (GHz) min. | DCR ( $\Omega$ ) max. | IDC (mA) max. |
|------------|------|--------------------------|----------------|---------------------|----------------|-----------------------|---------------|
| Code       | nH   |                          |                |                     |                |                       |               |
| 6N2        | 6.2  | $\pm 5, \pm 10\%$        | 250            | 50 @ 1000MHz        | 5.500          | 0.11                  | 600           |
| 6N8        | 6.8  | $\pm 5, \pm 10\%$        | 250            | 50 @ 1000MHz        | 5.500          | 0.11                  | 600           |
| 7N5        | 7.5  | $\pm 5, \pm 10\%$        | 250            | 50 @ 1000MHz        | 4.500          | 0.14                  | 600           |
| 8N2        | 8.2  | $\pm 5, \pm 10\%$        | 250            | 50 @ 1000MHz        | 4.700          | 0.12                  | 600           |
| 8N7        | 8.7  | $\pm 5, \pm 10\%$        | 250            | 50 @ 1000MHz        | 4.000          | 0.21                  | 400           |
| 10N        | 10   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 60 @ 500MHz         | 4.200          | 0.10                  | 600           |
| 12N        | 12   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 50 @ 500MHz         | 4.000          | 0.15                  | 600           |
| 15N        | 15   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 50 @ 500MHz         | 3.400          | 0.17                  | 600           |
| 18N        | 18   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 50 @ 500MHz         | 3.300          | 0.20                  | 600           |
| 20N        | 20   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 55 @ 500MHz         | 2.600          | 0.22                  | 500           |
| 22N        | 22   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 55 @ 500MHz         | 2.600          | 0.22                  | 500           |
| 24N        | 24   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 50 @ 500MHz         | 2.000          | 0.22                  | 500           |
| 27N        | 27   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 55 @ 500MHz         | 2.500          | 0.25                  | 500           |
| 30N        | 30   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 60 @ 500MHz         | 2.050          | 0.25                  | 500           |
| 33N        | 33   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 60 @ 500MHz         | 2.050          | 0.27                  | 500           |
| 36N        | 36   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 55 @ 500MHz         | 1.700          | 0.27                  | 500           |
| 39N        | 39   | $\pm 2, \pm 5, \pm 10\%$ | 250            | 60 @ 500MHz         | 2.000          | 0.29                  | 500           |
| 43N        | 43   | $\pm 2, \pm 5, \pm 10\%$ | 200            | 60 @ 500MHz         | 1.650          | 0.34                  | 500           |
| 47N        | 47   | $\pm 2, \pm 5, \pm 10\%$ | 200            | 60 @ 500MHz         | 1.650          | 0.31                  | 500           |
| 56N        | 56   | $\pm 2, \pm 5, \pm 10\%$ | 200            | 60 @ 500MHz         | 1.550          | 0.34                  | 500           |
| 68N        | 68   | $\pm 2, \pm 5, \pm 10\%$ | 200            | 60 @ 500MHz         | 1.450          | 0.38                  | 500           |
| 72N        | 72   | $\pm 2, \pm 5, \pm 10\%$ | 150            | 65 @ 500MHz         | 1.400          | 0.40                  | 500           |
| 82N        | 82   | $\pm 2, \pm 5, \pm 10\%$ | 150            | 65 @ 500MHz         | 1.300          | 0.42                  | 400           |
| 91N        | 91   | $\pm 2, \pm 5, \pm 10\%$ | 150            | 65 @ 500MHz         | 1.200          | 0.48                  | 400           |
| R10        | 100  | $\pm 2, \pm 5, \pm 10\%$ | 150            | 65 @ 500MHz         | 1.200          | 0.46                  | 400           |
| R11        | 110  | $\pm 2, \pm 5, \pm 10\%$ | 150            | 50 @ 250MHz         | 1.000          | 0.48                  | 400           |
| R12        | 120  | $\pm 2, \pm 5, \pm 10\%$ | 150            | 50 @ 250MHz         | 1.100          | 0.51                  | 400           |
| R15        | 150  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.920          | 0.56                  | 400           |
| R16        | 160  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.870          | 0.60                  | 400           |
| R18        | 180  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.870          | 0.64                  | 400           |
| R20        | 200  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.860          | 0.66                  | 400           |
| R22        | 220  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.850          | 0.70                  | 400           |
| R24        | 240  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 44 @ 250MHz         | 0.690          | 1.00                  | 350           |
| R25        | 250  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 50 @ 250MHz         | 0.680          | 1.00                  | 350           |
| R27        | 270  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 48 @ 250MHz         | 0.650          | 1.00                  | 350           |
| R30        | 300  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 48 @ 250MHz         | 0.620          | 1.20                  | 330           |
| R33        | 330  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 48 @ 250MHz         | 0.600          | 1.40                  | 310           |
| R36        | 360  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 48 @ 250MHz         | 0.580          | 1.45                  | 300           |
| R39        | 390  | $\pm 2, \pm 5, \pm 10\%$ | 100            | 48 @ 250MHz         | 0.560          | 1.50                  | 290           |
| R43        | 430  | $\pm 2, \pm 5, \pm 10\%$ | 50             | 33 @ 100MHz         | 0.430          | 1.70                  | 230           |
| R47        | 470  | $\pm 2, \pm 5, \pm 10\%$ | 50             | 33 @ 100MHz         | 0.375          | 1.70                  | 250           |
| R56        | 560  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.340          | 1.90                  | 230           |
| R60        | 600  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.260          | 1.60                  | 450           |
| R62        | 620  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.220          | 2.20                  | 210           |
| R68        | 680  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.200          | 2.20                  | 190           |
| R75        | 750  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.200          | 2.30                  | 180           |
| R82        | 820  | $\pm 2, \pm 5, \pm 10\%$ | 25             | 23 @ 50MHz          | 0.200          | 2.35                  | 180           |
| 1R0        | 1000 | $\pm 2, \pm 5, \pm 10\%$ | 25             | 20 @ 50MHz          | 0.100          | 2.50                  | 170           |
| 1R2        | 1200 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 18 @ 25MHz          | 0.100          | 2.50                  | 170           |
| 1R5        | 1500 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 16 @ 25MHz          | 0.100          | 2.50                  | 170           |
| 1R8        | 1800 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 16 @ 7.9MHz         | 0.080          | 2.50                  | 170           |
| 2R2        | 2200 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 16 @ 7.9MHz         | 0.060          | 2.70                  | 160           |
| 2R7        | 2700 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 16 @ 7.9MHz         | 0.050          | 3.10                  | 150           |
| 3R3        | 3300 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 15 @ 7.9MHz         | 0.040          | 4.40                  | 90            |
| 4R7        | 4700 | $\pm 2, \pm 5, \pm 10\%$ | 7.9            | 15 @ 7.9MHz         | 0.040          | 6.40                  | 90            |

## Type 36502C Series – 1008 Package AEC-Q200

| Inductance |       | Tolerance    | L. Freq. (MHz) | Quality Factor Min. | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
|------------|-------|--------------|----------------|---------------------|----------------|--------------|---------------|
| Code       | nH    |              |                |                     |                |              |               |
| 4N7        | 4.7   | ±5, ±10%     | 50             | 50 @ 1500MHz        | 4.000          | 0.15         | 1000          |
| 5N6        | *5.6  | ±5, ±10%     | 50             | 50 @ 1500MHz        | 4.000          | 0.15         | 1000          |
| 10N        | *10   | ±2, ±5, ±10% | 50             | 50 @ 500MHz         | 4.100          | 0.08         | 1000          |
| 12N        | *12   | ±2, ±5, ±10% | 50             | 50 @ 500MHz         | 3.300          | 0.09         | 1000          |
| 15N        | *15   | ±2, ±5, ±10% | 50             | 50 @ 500MHz         | 2.500          | 0.11         | 1000          |
| 18N        | *18   | ±2, ±5, ±10% | 50             | 50 @ 350MHz         | 2.400          | 0.12         | 1000          |
| 22N        | *22   | ±2, ±5, ±10% | 50             | 55 @ 350MHz         | 2.400          | 0.12         | 1000          |
| 24N        | 24    | ±2, ±5, ±10% | 50             | 55 @ 350MHz         | 1.900          | 0.13         | 1000          |
| 27N        | *27   | ±2, ±5, ±10% | 50             | 55 @ 350MHz         | 1.600          | 0.13         | 1000          |
| 30N        | 30    | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.600          | 0.14         | 1000          |
| 33N        | *33   | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.600          | 0.14         | 1000          |
| 36N        | 36    | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.600          | 0.15         | 1000          |
| 39N        | *39   | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.500          | 0.15         | 1000          |
| 47N        | *47   | ±2, ±5, ±10% | 50             | 65 @ 350MHz         | 1.500          | 0.16         | 1000          |
| 56N        | *56   | ±2, ±5, ±10% | 50             | 65 @ 350MHz         | 1.300          | 0.18         | 1000          |
| 62N        | *62   | ±2, ±5, ±10% | 50             | 65 @ 350MHz         | 1.250          | 0.20         | 1000          |
| 68N        | *68   | ±2, ±5, ±10% | 50             | 65 @ 350MHz         | 1.300          | 0.20         | 1000          |
| 75N        | 75    | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.100          | 0.21         | 1000          |
| 82N        | *82   | ±2, ±5, ±10% | 50             | 60 @ 350MHz         | 1.000          | 0.22         | 1000          |
| 91N        | 91    | ±2, ±5, ±10% | 50             | 50 @ 350MHz         | 1.000          | 0.45         | 1000          |
| R10        | *100  | ±2, ±5, ±10% | 25             | 60 @ 350MHz         | 1.000          | 0.56         | 650           |
| R12        | *120  | ±2, ±5, ±10% | 25             | 60 @ 350MHz         | 0.950          | 0.63         | 650           |
| R15        | *150  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.850          | 0.70         | 800           |
| R18        | *180  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.750          | 0.77         | 620           |
| R22        | *220  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.700          | 0.84         | 500           |
| R24        | *240  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.650          | 0.88         | 500           |
| R27        | *270  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.600          | 0.91         | 690           |
| R30        | *300  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.585          | 1.00         | 450           |
| R33        | *330  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.570          | 1.05         | 450           |
| R36        | *360  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.530          | 1.10         | 470           |
| R39        | *390  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.500          | 1.12         | 630           |
| R43        | *430  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.480          | 1.15         | 470           |
| R47        | *470  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.450          | 1.19         | 470           |
| R56        | *560  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.415          | 1.33         | 580           |
| R62        | *620  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.375          | 1.40         | 300           |
| R68        | *680  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.375          | 1.47         | 540           |
| R75        | *750  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.360          | 1.54         | 360           |
| R82        | *820  | ±2, ±5, ±10% | 25             | 45 @ 100MHz         | 0.350          | 1.61         | 400           |
| R91        | *910  | ±2, ±5, ±10% | 25             | 35 @ 50MHz          | 0.320          | 1.68         | 380           |
| 1R0        | *1000 | ±2, ±5, ±10% | 25             | 35 @ 50MHz          | 0.290          | 1.75         | 370           |
| 1R2        | *1200 | ±2, ±5, ±10% | 7.9            | 35 @ 50MHz          | 0.250          | 2.00         | 310           |
| 1R5        | *1500 | ±2, ±5, ±10% | 7.9            | 28 @ 50MHz          | 0.200          | 2.30         | 330           |
| 1R8        | *1800 | ±2, ±5, ±10% | 7.9            | 28 @ 50MHz          | 0.160          | 2.60         | 300           |
| 2R2        | *2200 | ±2, ±5, ±10% | 7.9            | 28 @ 50MHz          | 0.160          | 2.80         | 280           |
| 2R7        | *2700 | ±2, ±5, ±10% | 7.9            | 22 @ 25MHz          | 0.140          | 3.20         | 290           |
| 3R3        | *3300 | ±2, ±5, ±10% | 7.9            | 22 @ 25MHz          | 0.110          | 3.40         | 290           |
| 3R9        | *3900 | ±2, ±5, ±10% | 7.9            | 18 @ 25MHz          | 0.100          | 3.60         | 260           |
| 4R7        | *4700 | ±2, ±5, ±10% | 7.9            | 18 @ 25MHz          | 0.090          | 4.00         | 260           |
| 5R6        | 5600  | ±2, ±5, ±10% | 7.9            | 16 @ 7.96MHz        | 0.020          | 4.00         | 240           |
| 6R8        | 6800  | ±2, ±5, ±10% | 7.9            | 15 @ 7.96MHz        | 0.040          | 4.90         | 200           |
| 8R2        | 8200  | ±2, ±5, ±10% | 7.9            | 15 @ 7.96MHz        | 0.025          | 6.00         | 170           |
| 103        | 10000 | ±2, ±5, ±10% | 2.52           | 15 @ 7.96MHz        | 0.020          | 9.00         | 150           |
| 123        | 12000 | ±2, ±5, ±10% | 2.52           | 15 @ 7.96MHz        | 0.018          | 10.5         | 130           |
| 153        | 15000 | ±2, ±5, ±10% | 2.52           | 15 @ 7.96MHz        | 0.015          | 11.5         | 120           |

“\*” Test Methods / Instrument: Network / Spectrum Analyzer

### Type 36521J Series – 0603 Package – High Current

| Inductance |     | Tolerance                | L. Freq. (MHz) | Quality Factor Min. | SRF (GHz) min. | DCR ( $\Omega$ ) max. | IDC (mA) max. |
|------------|-----|--------------------------|----------------|---------------------|----------------|-----------------------|---------------|
| Code       | nH  |                          |                |                     |                |                       |               |
| 1N6        | 1.6 | $\pm 5, \pm 10\%$        | 250            | 24                  | 12.50          | 0.030                 | 2400          |
| 3N6        | 3.6 | $\pm 5, \pm 10\%$        | 250            | 24                  | 5.90           | 0.048                 | 2300          |
| 3N9        | 3.9 | $\pm 5, \pm 10\%$        | 250            | 25                  | 5.90           | 0.054                 | 2200          |
| 6N8        | 6.8 | $\pm 5, \pm 10\%$        | 250            | 35                  | 5.80           | 0.054                 | 2100          |
| 7N5        | 7.5 | $\pm 5, \pm 10\%$        | 250            | 38                  | 3.70           | 0.059                 | 2100          |
| 8N2        | 8.2 | $\pm 5, \pm 10\%$        | 250            | 38                  | 3.70           | 0.060                 | 2000          |
| 10N        | 10  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 38                  | 3.70           | 0.071                 | 2000          |
| 12N        | 12  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 38                  | 3.00           | 0.075                 | 2000          |
| 15N        | 15  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 38                  | 2.80           | 0.080                 | 1900          |
| 18N        | 18  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 40                  | 2.80           | 0.099                 | 1900          |
| 22N        | 22  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 42                  | 2.40           | 0.099                 | 1800          |
| 24N        | 24  | $\pm 2, \pm 5, \pm 10\%$ | 250            | 42                  | 2.40           | 0.105                 | 1800          |

### Type 36531J Series – 0603 Package – High Q

| Inductance |     | Tolerance                | L Freq MHz | Q typ 250 (MHz) | SRF Typ GHz | DCR $\Omega$ Max | IDC mA Max | 900MHz |       | 1.7GHz |       |
|------------|-----|--------------------------|------------|-----------------|-------------|------------------|------------|--------|-------|--------|-------|
| Code       | nH  |                          |            |                 |             |                  |            | L typ  | Q typ | L typ  | Q typ |
| 1N8        | 1.8 | $\pm 5, \pm 10\%$        | 250        | 23              | 16.0        | 0.033            | 2100       | 1.77   | 40    | 1.77   | 65    |
| 2N2        | 2.2 | $\pm 5, \pm 10\%$        | 250        | 13              | 15.0        | 0.180            | 900        | 2.14   | 25    | 2.12   | 35    |
| 3N3        | 3.3 | $\pm 5, \pm 10\%$        | 250        | 32              | 9.60        | 0.024            | 1900       | 3.28   | 67    | 3.32   | 104   |
| 3N6        | 3.6 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 40              | 9.70        | 0.031            | 1900       | 3.59   | 70    | 3.62   | 116   |
| 3N9        | 3.9 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 35              | 7.50        | 0.039            | 1600       | 3.88   | 68    | 3.95   | 108   |
| 4N3        | 4.3 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 30              | 7.50        | 0.080            | 1300       | 4.29   | 58    | 4.31   | 91    |
| 4N7        | 4.7 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 26              | 7.90        | 0.100            | 1100       | 4.65   | 48    | 4.71   | 75    |
| 5N1        | 5.1 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 40              | 8.90        | 0.036            | 1700       | 5.08   | 84    | 5.12   | 140   |
| 5N6        | 5.6 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 48              | 6.60        | 0.036            | 1700       | 5.6    | 87    | 5.73   | 456   |
| 6N         | 6   | $\pm 2, \pm 5, \pm 10\%$ | 250        | 49              | 6.00        | 0.036            | 1700       | 5.92   | 94    | 6.12   | 154   |
| 6N8        | 6.8 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 42              | 5.80        | 0.042            | 1400       | 6.83   | 88    | 7.05   | 143   |
| 7N2        | 7.2 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 48              | 5.40        | 0.052            | 1400       | 7.25   | 96    | 7.38   | 139   |
| 7N5        | 7.5 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 41              | 5.30        | 0.080            | 1300       | 7.55   | 81    | 7.85   | 12    |
| 8N2        | 8.2 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 46              | 5.90        | 0.054            | 1400       | 8.21   | 96    | 8.39   | 148   |
| 8N7        | 8.7 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 46              | 5.50        | 0.054            | 1400       | 8.73   | 97    | 9.00   | 149   |
| 9N1        | 9.1 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 40              | 5.10        | 0.037            | 1400       | 9.18   | 76    | 9.64   | 109   |
| 9N5        | 9.5 | $\pm 2, \pm 5, \pm 10\%$ | 250        | 49              | 4.90        | 0.053            | 1400       | 9.56   | 98    | 9.99   | 149   |
| 10N        | 10  | $\pm 2, \pm 5, \pm 10\%$ | 250        | 49              | 4.30        | 0.048            | 1400       | 10.16  | 90    | 10.64  | 142   |
| 11N        | 11  | $\pm 2, \pm 5, \pm 10\%$ | 250        | 41              | 4.10        | 0.058            | 1400       | 11.06  | 78    | 11.82  | 108   |
| 12N        | 12  | $\pm 2, \pm 5, \pm 10\%$ | 250        | 37              | 4.10        | 0.088            | 1100       | 12.26  | 69    | 13.2   | 91    |

## Type 36531J Series – 0603 Package – High Q (cont.)

| Inductance |     | Tolerance                | L<br>Freq<br>MHz | Q<br>typ<br>250<br>(MHz) | SRF<br>Typ<br>GHz | DCR<br>$\Omega$<br>Max | IDC<br>mA<br>Max | 900MHz   |          | 1.7GHz   |          |
|------------|-----|--------------------------|------------------|--------------------------|-------------------|------------------------|------------------|----------|----------|----------|----------|
| Cod<br>e   | nH  |                          |                  |                          |                   |                        |                  | L<br>typ | Q<br>typ | L<br>typ | Q<br>typ |
| 15N        | 15  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 48                       | 3.60              | 0.078                  | 1200             | 15.41    | 83       | 17.2     | 124      |
| 16N        | 16  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 45                       | 3.50              | 0.085                  | 1100             | 16.37    | 77       | 18.7     | 116      |
| 18N        | 18  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 41                       | 3.30              | 0.066                  | 1200             | 18.56    | 76       | 20.9     | 100      |
| 22N        | 22  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 44                       | 3.15              | 0.140                  | 850              | 22.7     | 77       | 25.9     | 88       |
| 23N        | 23  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 40                       | 3.00              | 0.183                  | 850              | 24       | 69       | 29.53    | 80       |
| 24N        | 24  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 42                       | 2.95              | 0.074                  | 1100             | 24.9     | 77       | 28.9     | 91       |
| 27N        | 27  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 44                       | 2.80              | 0.150                  | 780              | 28.4     | 74       | 34.0     | 84       |
| 30N        | 30  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 49                       | 2.80              | 0.130                  | 920              | 31.5     | 82       | 37.9     | 82       |
| 33N        | 33  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 45                       | 2.70              | 0.170                  | 680              | 34.9     | 76       | 42.9     | 80       |
| 36N        | 36  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 44                       | 2.50              | 0.225                  | 720              | 38.5     | 69       | 50.0     | 64       |
| 39N        | 39  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 48                       | 2.45              | 0.19                   | 680              | 41.5     | 78       | 51.9     | 74       |
| 43N        | 43  | $\pm 2, \pm 5, \pm 10\%$ | 250              | 45                       | 2.45              | 0.17                   | 810              | 45.7     | 83       | 58.1     | 76       |
| 47N        | 47  | $\pm 2, \pm 5, \pm 10\%$ | 200              | 47                       | 2.30              | 0.24                   | 680              | 50.6     | 77       | 66.9     | 72       |
| 51N        | 51  | $\pm 2, \pm 5, \pm 10\%$ | 200              | 49                       | 2.30              | 0.28                   | 660              | 54.6     | 73       | 71.3     | 62       |
| 56N        | 56  | $\pm 2, \pm 5, \pm 10\%$ | 200              | 50                       | 2.20              | 0.30                   | 610              | 60.3     | 74       | 79.9     | 56       |
| 68N        | 68  | $\pm 2, \pm 5, \pm 10\%$ | 200              | 46                       | 2.00              | 0.33                   | 600              | 75.5     | 73       | 113.3    | 49       |
| 72N        | 72  | $\pm 2, \pm 5, \pm 10\%$ | 150              | 46                       | 1.90              | 0.42                   | 550              | 80.8     | 69       | -        | -        |
| 75N        | 75  | $\pm 2, \pm 5, \pm 10\%$ | 150              | 46                       | 1.90              | 0.52                   | 500              | 84.6     | 71       | -        | -        |
| 82N        | 82  | $\pm 2, \pm 5, \pm 10\%$ | 150              | 45                       | 1.80              | 0.46                   | 510              | 94       | 62       | -        | -        |
| 91N        | 91  | $\pm 2, \pm 5, \pm 10\%$ | 150              | 45                       | 1.65              | 0.58                   | 440              | 103      | 64       | -        | -        |
| R10        | 100 | $\pm 2, \pm 5, \pm 10\%$ | 150              | 49                       | 1.70              | 0.54                   | 470              | 114      | 69       | -        | -        |
| R11        | 110 | $\pm 2, \pm 5, \pm 10\%$ | 150              | 47                       | 1.60              | 0.58                   | 440              | 126.2    | 63       | -        | -        |
| R12        | 120 | $\pm 2, \pm 5, \pm 10\%$ | 150              | 47                       | 1.55              | 0.72                   | 420              | 142.4    | 61       | -        | -        |
| R15        | 150 | $\pm 2, \pm 5, \pm 10\%$ | 150              | 47                       | 1.35              | 0.82                   | 390              | 188.8    | 57       | -        | -        |
| R18        | 180 | $\pm 2, \pm 5, \pm 10\%$ | 100              | 48                       | 1.30              | 1.50                   | 310              | 232.2    | 50       | -        | -        |
| R20        | 200 | $\pm 2, \pm 5, \pm 10\%$ | 100              | 47                       | 1.25              | 2.00                   | 280              | 265      | 47       | -        | -        |
| R21        | 210 | $\pm 2, \pm 5, \pm 10\%$ | 100              | 48                       | 1.20              | 2.00                   | 280              | 288      | 45       | -        | -        |
| R22        | 220 | $\pm 2, \pm 5, \pm 10\%$ | 100              | 47                       | 1.10              | 2.00                   | 280              | 315      | 41       | -        | -        |

**Type 36531J Series – 0603 Package – High Q (cont.)**

| Inductance |     | Tolerance       | L<br>Freq<br>MHz | Q typ<br>250<br>(MHz) | SRF<br>Typ<br>GHz | DCR<br>Ω<br>Max | IDC<br>mA<br>Max | 900MHz   |          | 1.7GHz   |          |
|------------|-----|-----------------|------------------|-----------------------|-------------------|-----------------|------------------|----------|----------|----------|----------|
| Code       | nH  |                 |                  |                       |                   |                 |                  | L<br>typ | Q<br>typ | L<br>typ | Q<br>typ |
| R25        | 250 | ±2, ±5,<br>±10% | 100              | 45                    | 1.05              | 3.00            | 240              | -        | -        | -        | -        |
| R27        | 270 | ±2, ±5,<br>±10% | 100              | 46                    | 1.05              | 2.25            | 260              | -        | -        | -        | -        |
| R30        | 300 | ±2, ±5,<br>±10% | 100              | 47                    | 0.99              | 2.80            | 220              | -        | -        | -        | -        |
| R33        | 330 | ±2, ±5,<br>±10% | 100              | 46                    | 0.93              | 3.60            | 180              | -        | -        | -        | -        |
| R36        | 360 | ±2, ±5,<br>±10% | 100              | 47                    | 0.93              | 4.00            | 170              | -        | -        | -        | -        |
| R39        | 390 | ±2, ±5,<br>±10% | 100              | 47                    | 0.88              | 4.00            | 170              | -        | -        | -        | -        |

**Type 36532A Series – 0805 Package – High Q**

| Inductance |     | Tolerance    | L.<br>Freq.<br>(MHz) | Quality<br>Factor<br>Min. | SRF<br>(GHz) min. | DCR<br>(Ω) max. | IDC<br>(mA) max. |
|------------|-----|--------------|----------------------|---------------------------|-------------------|-----------------|------------------|
| Code       | nH  |              |                      |                           |                   |                 |                  |
| 2N5        | 2.5 | ±5, ±10%     | 250                  | 80 @ 1500MHz              | 6.00              | 0.020           | 1600             |
| 5N6        | 5.6 | ±5, ±10%     | 250                  | 98 @ 1500MHz              | 6.00              | 0.035           | 1600             |
| 6N2        | 6.2 | ±5, ±10%     | 250                  | 88 @ 1000MHz              | 4.75              | 0.035           | 1600             |
| 6N8        | 6.8 | ±5, ±10%     | 250                  | 80 @ 1000MHz              | 4.40              | 0.035           | 1600             |
| 8N2        | 8.2 | ±5, ±10%     | 250                  | 75 @ 1000MHz              | 3.00              | 0.075           | 1000             |
| 10N        | 10  | ±5, ±10%     | 250                  | 80 @ 1000MHz              | 3.00              | 0.060           | 1600             |
| 12N        | 12  | ±5, ±10%     | 250                  | 80 @ 1000MHz              | 3.00              | 0.045           | 1600             |
| 15N        | 15  | ±2, ±5, ±10% | 250                  | 80 @ 1000MHz              | 2.80              | 0.100           | 1200             |
| 16N        | 16  | ±2, ±5, ±10% | 250                  | 72 @ 500MHz               | 2.95              | 0.060           | 1500             |
| 18N        | 18  | ±2, ±5, ±10% | 250                  | 75 @ 500MHz               | 2.55              | 0.060           | 1400             |
| 20N        | 20  | ±2, ±5, ±10% | 250                  | 70 @ 500MHz               | 2.05              | 0.055           | 1400             |
| 22N        | 22  | ±2, ±5, ±10% | 250                  | 80 @ 500MHz               | 2.00              | 0.100           | 1200             |
| 27N        | 27  | ±2, ±5, ±10% | 250                  | 75 @ 500MHz               | 2.00              | 0.070           | 1300             |
| 30N        | 30  | ±2, ±5, ±10% | 250                  | 65 @ 500MHz               | 1.95              | 0.095           | 1200             |
| 39N        | 39  | ±2, ±5, ±10% | 250                  | 65 @ 500MHz               | 1.60              | 0.110           | 1100             |
| 48N        | 48  | ±2, ±5, ±10% | 200                  | 65 @ 500MHz               | 1.40              | 0.095           | 1200             |
| 51N        | 51  | ±2, ±5, ±10% | 200                  | 65 @ 500MHz               | 1.40              | 0.120           | 1000             |

**Type 36532C Series – 1008 Package – High Q**

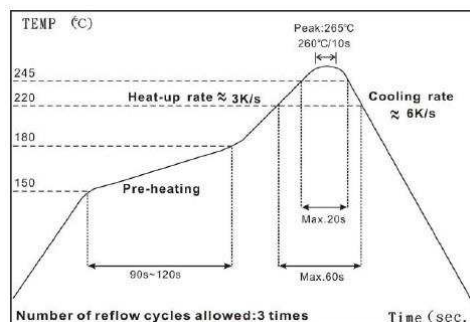
| Inductance |     | Tolerance    | L.<br>Freq.<br>(MHz) | Quality<br>Factor<br>Min. | SRF<br>(GHz) min. | DCR<br>(Ω) max. | IDC<br>(mA) max. |
|------------|-----|--------------|----------------------|---------------------------|-------------------|-----------------|------------------|
| Code       | nH  |              |                      |                           |                   |                 |                  |
| 3N0        | 3.0 | ±5, ±10%     | 50                   | 70 @ 1500MHz              | 6.00              | 0.04            | 1600             |
| 3N9        | 3.9 | ±5, ±10%     | 50                   | 75 @ 1500MHz              | 6.00              | 0.05            | 1600             |
| 4N1        | 4.1 | ±5, ±10%     | 50                   | 75 @ 1500MHz              | 6.00              | 0.05            | 1600             |
| 7N8        | 7.8 | ±5, ±10%     | 50                   | 75 @ 500MHz               | 3.80              | 0.05            | 1600             |
| 10N        | 10  | ±2, ±5, ±10% | 50                   | 60 @ 500MHz               | 3.60              | 0.06            | 1600             |
| 12N        | 12  | ±2, ±5, ±10% | 50                   | 70 @ 500MHz               | 2.80              | 0.06            | 1500             |
| 18N        | 18  | ±2, ±5, ±10% | 50                   | 62 @ 350MHz               | 2.70              | 0.07            | 1400             |
| 22N        | 22  | ±2, ±5, ±10% | 50                   | 62 @ 350MHz               | 2.05              | 0.07            | 1400             |
| 33N        | 33  | ±2, ±5, ±10% | 50                   | 75 @ 350MHz               | 1.70              | 0.09            | 1300             |
| 39N        | 39  | ±2, ±5, ±10% | 50                   | 75 @ 350MHz               | 1.30              | 0.09            | 1300             |
| 47N        | 47  | ±2, ±5, ±10% | 50                   | 75 @ 350MHz               | 1.45              | 0.12            | 1200             |
| 56N        | 56  | ±2, ±5, ±10% | 50                   | 75 @ 350MHz               | 1.23              | 0.12            | 1200             |
| 68N        | 68  | ±2, ±5, ±10% | 50                   | 80 @ 350MHz               | 1.15              | 0.13            | 1100             |
| 82N        | 82  | ±2, ±5, ±10% | 50                   | 80 @ 350MHz               | 1.06              | 0.16            | 1100             |
| R10        | 100 | ±2, ±5, ±10% | 50                   | 50 @ 350MHz               | 0.82              | 0.16            | 1000             |

Parts (3.0nH, 7.8nH) are wound on a low profile bobbin. (Max 2.4 x 2.01 x 1.09)

## Type 36541E Series – 0402 Package – High SRF

| Inductance |     | Tolerance                 | L. Freq. (MHz) | Quality Factor |        | SRF (GHz) min. | DCR (Ω) max. | IDC (mA) max. |
|------------|-----|---------------------------|----------------|----------------|--------|----------------|--------------|---------------|
| Code       | nH  |                           |                | 900MHz         | 1.7GHz |                |              |               |
| 1N0        | 1.0 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 46             | 75     | 16.0           | 0.030        | 2300          |
| 2N0        | 2.0 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 58             | 85     | 15.2           | 0.038        | 2100          |
| 2N2        | 2.2 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 60             | 86     | 15.1           | 0.038        | 2100          |
| 2N4        | 2.4 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 60             | 83     | 14.0           | 0.042        | 2000          |
| 2N7        | 2.7 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 62             | 85     | 13.0           | 0.075        | 1500          |
| 3N3        | 3.3 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 66             | 95     | 12.8           | 0.045        | 1700          |
| 3N6        | 3.6 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 65             | 94     | 11.7           | 0.045        | 1700          |
| 3N9        | 3.9 | ±0.2nH, ±0.5nH, ±5%, ±10% | 250            | 64             | 98     | 9.50           | 0.045        | 1700          |
| 4N3        | 4.3 | ±0.5nH, ±5%, ±10%         | 250            | 63             | 90     | 7.15           | 0.050        | 1600          |
| 4N7        | 4.7 | ±0.5nH, ±5%, ±10%         | 250            | 58             | 83     | 6.85           | 0.070        | 1500          |
| 5N1        | 5.1 | ±2%, ±5%, ±10%            | 250            | 54             | 76     | 6.80           | 0.115        | 1200          |
| 5N6        | 5.6 | ±2%, ±5%, ±10%            | 250            | 73             | 105    | 6.50           | 0.050        | 1600          |
| 6N2        | 6.2 | ±2%, ±5%, ±10%            | 250            | 73             | 100    | 5.80           | 0.055        | 1600          |
| 6N8        | 6.8 | ±2%, ±5%, ±10%            | 250            | 68             | 94     | 5.80           | 0.065        | 1500          |
| 7N5        | 7.5 | ±2%, ±5%, ±10%            | 250            | 60             | 82     | 5.40           | 0.090        | 1400          |
| 8N2        | 8.2 | ±2%, ±5%, ±10%            | 250            | 68             | 95     | 5.40           | 0.065        | 1500          |
| 8N7        | 8.7 | ±2%, ±5%, ±10%            | 250            | 68             | 95     | 5.00           | 0.065        | 1500          |
| 9N0        | 9.0 | ±2%, ±5%, ±10%            | 250            | 67             | 92     | 5.00           | 0.080        | 1400          |
| 9N5        | 9.5 | ±2%, ±5%, ±10%            | 250            | 64             | 90     | 4.70           | 0.090        | 1400          |
| 10N        | 10  | ±2%, ±5%, ±10%            | 250            | 62             | 90     | 4.70           | 0.100        | 1300          |
| 11N        | 11  | ±2%, ±5%, ±10%            | 250            | 68             | 98     | 4.70           | 0.065        | 1400          |
| 12N        | 12  | ±2%, ±5%, ±10%            | 250            | 66             | 100    | 4.40           | 0.100        | 1200          |
| 13N        | 13  | ±2%, ±5%, ±10%            | 250            | 62             | 82     | 4.20           | 0.150        | 870           |
| 15N        | 15  | ±2%, ±5%, ±10%            | 250            | 62             | 85     | 3.90           | 0.110        | 1100          |
| 16N        | 16  | ±2%, ±5%, ±10%            | 250            | 57             | 77     | 3.70           | 0.140        | 850           |
| 18N        | 18  | ±2%, ±5%, ±10%            | 250            | 58             | 74     | 3.55           | 0.120        | 900           |
| 19N        | 19  | ±2%, ±5%, ±10%            | 250            | 61             | 88     | 3.50           | 0.145        | 850           |
| 20N        | 20  | ±2%, ±5%, ±10%            | 250            | 58             | 76     | 3.50           | 0.185        | 780           |
| 21N        | 21  | ±2%, ±5%, ±10%            | 250            | 48             | 62     | 1.70           | 0.460        | 450           |
| 22N        | 22  | ±2%, ±5%, ±10%            | 250            | 60             | 74     | 3.30           | 0.160        | 800           |
| 23N        | 23  | ±2%, ±5%, ±10%            | 250            | 60             | 77     | 3.30           | 0.160        | 800           |
| 24N        | 24  | ±2%, ±5%, ±10%            | 250            | 55             | 71     | 3.15           | 0.200        | 700           |
| 25N        | 25  | ±2%, ±5%, ±10%            | 250            | 57             | 73     | 3.15           | 0.250        | 600           |
| 26N        | 26  | ±2%, ±5%, ±10%            | 250            | 56             | 74     | 3.15           | 0.285        | 450           |
| 27N        | 27  | ±2%, ±5%, ±10%            | 250            | 62             | 86     | 3.20           | 0.320        | 450           |
| 30N        | 30  | ±2%, ±5%, ±10%            | 250            | 61             | 87     | 2.90           | 0.330        | 450           |
| 33N        | 33  | ±2%, ±5%, ±10%            | 250            | 61             | 80     | 2.80           | 0.330        | 490           |
| 36N        | 36  | ±2%, ±5%, ±10%            | 250            | 59             | 76     | 2.80           | 0.380        | 480           |
| 37N        | 37  | ±2%, ±5%, ±10%            | 250            | 57             | 72     | 2.70           | 0.460        | 470           |
| 39N        | 39  | ±2%, ±5%, ±10%            | 250            | 56             | 84     | 2.60           | 0.430        | 450           |
| 40N        | 40  | ±2%, ±5%, ±10%            | 250            | 56             | 75     | 2.60           | 0.430        | 450           |
| 43N        | 43  | ±2%, ±5%, ±10%            | 250            | 52             | 68     | 2.50           | 0.520        | 450           |
| 47N        | 47  | ±2%, ±5%, ±10%            | 250            | 48             | 62     | 2.40           | 0.580        | 420           |
| 51N        | 51  | ±2%, ±5%, ±10%            | 250            | 52             | 59     | 2.30           | 0.700        | 360           |

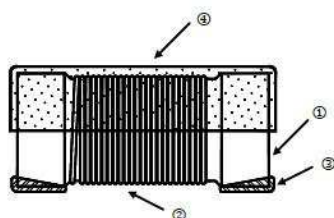
## Soldering condition



### IR Reflow Soldering

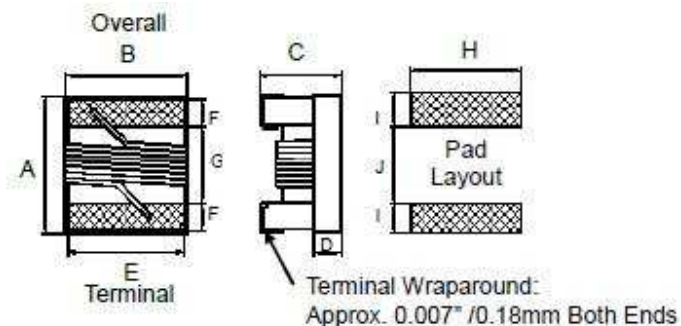
- (1) Time of IR reflow soldering at maximum temperature point 260°C 10s

## Construction



|                |             |
|----------------|-------------|
| ① Ceramic Core | ③ Electrode |
| ② Magnet Wire  | ④ UV Glue   |

## Dimensions



| Type   | Size | A max | B max | C max | D max | E    | F    | G    | H    | I    | J    | Weight (g) (1000 pcs) |
|--------|------|-------|-------|-------|-------|------|------|------|------|------|------|-----------------------|
| 36501E | 0402 | 1.27  | 0.76  | 0.61  | 0.15  | 0.51 | 0.23 | 0.56 | 0.66 | 0.50 | 0.46 | 0.8                   |
| 36501J | 0603 | 1.80  | 1.12  | 1.02  | 0.38  | 0.76 | 0.33 | 0.86 | 1.02 | 0.64 | 0.64 | 3.46                  |
| 36502A | 0805 | 2.29  | 1.73  | 1.52  | 0.51  | 1.27 | 0.44 | 1.02 | 1.78 | 1.02 | 0.76 | 12.13                 |
| 36502C | 1008 | 2.92  | 2.79  | 2.13  | 0.65  | 2.03 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 | 30.73                 |
| 36521J | 0603 | 1.80  | 1.12  | 1.02  | 0.38  | 0.76 | 0.33 | 0.86 | 1.02 | 0.64 | 0.64 | 3.46                  |
| 36531E | 0402 | 1.27  | 0.76  | 0.61  | 0.15  | 0.51 | 0.23 | 0.56 | 0.66 | 0.50 | 0.46 | 0.8                   |
| 36531J | 0603 | 1.80  | 1.12  | 1.02  | 0.38  | 0.76 | 0.33 | 0.86 | 1.02 | 0.64 | 0.64 | 3.46                  |
| 36532A | 0805 | 2.29  | 1.73  | 1.52  | 0.51  | 1.27 | 0.44 | 1.02 | 1.78 | 1.02 | 0.76 | 12.13                 |
| 36532C | 1008 | 2.92  | 2.79  | 2.03  | 0.65  | 2.03 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 | 30.73                 |

## Environmental Characteristics

### Electrical Performance Test

| Item                  | Requirement                                                           | Test Method                                                                                                                  |
|-----------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Inductance            | Refer to standard electrical and characteristic spec.                 | HP4286 / E4982A                                                                                                              |
| Q                     |                                                                       | HP4286 / E4982A                                                                                                              |
| SRF                   |                                                                       | HP4286 / E4982A                                                                                                              |
| DC Resistance (RDC)   |                                                                       | Micro-Ohm meter (Gom 801G) / E4982A                                                                                          |
| Rated Current (IDC)   |                                                                       | Applied the current to coils, the temperature of coil increases $\Delta T 15^{\circ}\text{C}$ ( $T_a = 25^{\circ}\text{C}$ ) |
| Over Load             | Inductors shall have no evidence of electrical and mechanical damage  | Applied 2 times of rated allowed DC current to inductor for a period of 5 minutes                                            |
| Withstanding Voltage  | Inductors shall bear no evidence of electrical and mechanical damage. | AC voltage of 500 VAC applied between inductors terminal and case for 1 min.                                                 |
| Insulation Resistance | 1000M ohm min.                                                        | 100 VDC applied between inductor terminal and case                                                                           |

### Mechanical Performance Test

| Item                           | Requirement                                                                        | Test Method                                                                                                                                                                                                                                                               |
|--------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration                      | Appearance: No damage<br>L change: within $\pm 5\%$<br>Q change: within $\pm 10\%$ | Test device shall be soldered on the substrate<br>Oscillation Frequency: 10 to 55 to 10Hz for 1min<br>Amplitude: 1.5mm<br>Time: 2 hrs for each axis (X, Y & Z), total 6 hrs                                                                                               |
| Resistance to Soldering Heat   |                                                                                    | Solder Temperature: $260 \pm 5^{\circ}\text{C}$<br>Immersion Time: $10 \pm 2$ seconds                                                                                                                                                                                     |
| Component Adhesion (Push Test) | 1 lbs. For 0402<br>2 lbs. For 0603<br>3 lbs. For the rest                          | The device should be soldered ( $260 \pm 5$ for 10 seconds) to a tinned copper substrate. A dynamiter force gauge should be applied to the side of the component. The device must withstand a minimum force of 2 or 4 pounds without a failure of adhesion on termination |
| Drop                           | No damage                                                                          | Dropping chip by each side and each corner. Drop 10 times in total<br>Drop height: 100cm<br>Drop weight: 125g                                                                                                                                                             |
| Solderability                  | 90% covered with solder                                                            | Inductor shall be dipped in a melted solder bath at $245 \pm 5$ for 3 seconds                                                                                                                                                                                             |
| Resistance to Solvent          | No damage on appearance and marking                                                | MIL-STD-202, Method 215                                                                                                                                                                                                                                                   |

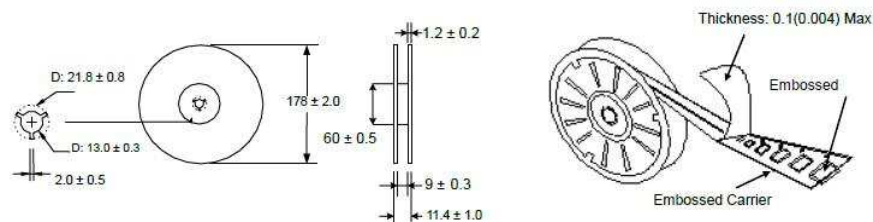
## Climatic Test

| Item                       | Requirement                                                                                         | Test Method                                                                                                                                                                                                                                                                                    |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
|----------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------|---------------|---|-------|----|---|------|----|---|-------|----|---|------|----|
| Temperature Characteristic | Appearance: No damage<br>L change: within ±10%<br>Q change: within ±20%                             | -40 ~+125 °C                                                                                                                                                                                                                                                                                   |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| Humidity                   |                                                                                                     | Temperature: 40±2 °C<br>Relative Humidity: 90~95%<br>Time: 96±2 hrs<br>Measured after exposure in the room condition for 2hrs                                                                                                                                                                  |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| Low Temperature Storage    |                                                                                                     | Temperature: -40±2 °C<br>Time: 96±2 hrs<br>Inductors are tested after 1 hour at room temperature                                                                                                                                                                                               |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| Thermal Shock              |                                                                                                     | One Cycle: <table><tr><th>Step</th><th>Temperature ( °C )</th><th>Time ( min. )</th></tr><tr><td>1</td><td>-25±3</td><td>30</td></tr><tr><td>2</td><td>25±2</td><td>15</td></tr><tr><td>3</td><td>125±3</td><td>30</td></tr><tr><td>4</td><td>25±2</td><td>15</td></tr></table> Total 5 cycles | Step          | Temperature ( °C ) | Time ( min. ) | 1 | -25±3 | 30 | 2 | 25±2 | 15 | 3 | 125±3 | 30 | 4 | 25±2 | 15 |
| Step                       |                                                                                                     | Temperature ( °C )                                                                                                                                                                                                                                                                             | Time ( min. ) |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| 1                          | -25±3                                                                                               | 30                                                                                                                                                                                                                                                                                             |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| 2                          | 25±2                                                                                                | 15                                                                                                                                                                                                                                                                                             |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| 3                          | 125±3                                                                                               | 30                                                                                                                                                                                                                                                                                             |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| 4                          | 25±2                                                                                                | 15                                                                                                                                                                                                                                                                                             |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| High Temperature Storage   | Temperature: 125±2 °C<br>Time: 96±2 hrs<br>Measured after exposure in the room condition for 1 hour |                                                                                                                                                                                                                                                                                                |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| High Temperature Load Life | There should be no evidence of short or open circuit.                                               | Temperature: 85±2 °C<br>Time: 1000±12 hrs<br>Load: Allowed DC current                                                                                                                                                                                                                          |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |
| Damp Heat with Load        |                                                                                                     | Temperature: 40±2°C<br>Relative Humidity: 90~95%<br>Time: 1000±12 hrs<br>Load: Allowed DC current                                                                                                                                                                                              |               |                    |               |   |       |    |   |      |    |   |       |    |   |      |    |

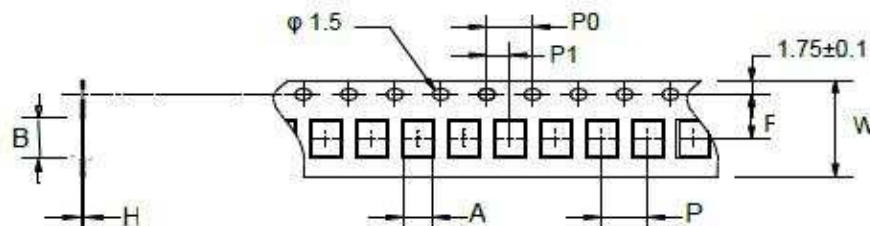
**Storage Temperature: 15~28 °C; Humidity < 80% RH**

## Packaging

Reel dimensions

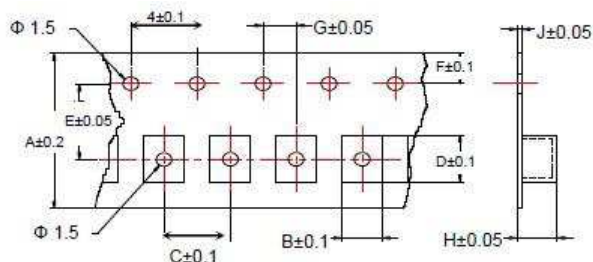


## Paper Tape Specification and Packaging Quantity



| Type | A    | B    | H    | F    | P    | P0   | P1   | W    | Reel (EA) |
|------|------|------|------|------|------|------|------|------|-----------|
| 0402 | 0.81 | 1.23 | 0.73 | 3.50 | 2.00 | 4.00 | 2.00 | 8.00 | 4,000     |
| 0603 | 1.35 | 1.95 | 0.95 | 3.50 | 4.00 | 4.00 | 2.00 | 8.00 | 4,000     |

## Embossed Plastic Tape Specification and Packaging Quantity



| Type | A | B    | C | D    | E   | F    | G | H    | J    | Reel (EA) |
|------|---|------|---|------|-----|------|---|------|------|-----------|
| 0805 | 8 | 1.85 | 4 | 2.30 | 3.5 | 1.75 | 2 | 1.45 | 0.23 | 2,000     |
| 1008 | 8 | 2.70 | 4 | 2.80 | 3.5 | 1.75 | 2 | 2.00 | 0.23 | 2,000     |

## How To Order

| 3650                                                    | 1J                                               | 7N5                                     | J                                                                      | TDG                                                                       |
|---------------------------------------------------------|--------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Common Part                                             | Case size                                        | Inductance Code                         | Tolerance                                                              | Packaging                                                                 |
| 3650 – Standard<br>3652 – High Current<br>3653 – High Q | 1E – 0402<br>1J – 0603<br>2A – 0805<br>2C – 1008 | See relevant table for inductance value | G – ±2%<br>J – ±5%<br>K – ±10%<br>M – ±20%<br>D – ±0.2nH<br>C – ±0.5nH | TDG – 2000<br>Pieces per reel<br>TE – 4000 Pieces per reel (1E & 1J only) |