

# RF Inductor-Multilayer

## Automotive



### ASH000RF0-KIT JIS 1005, 1608 Size

#### Designer Kit Contents

| Pulse - Std Power<br>Part Number | L (mm) | W(mm) | T (mm) | SIZE Code<br>(JIS/EIA) | Inductance<br>(nH) | Tolerance<br>(±%) | RDC(Ω)<br>Max. | IDC(mA)Max. | Quantity |
|----------------------------------|--------|-------|--------|------------------------|--------------------|-------------------|----------------|-------------|----------|
| ASCH001005051N0SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1                  | 1                 | 0.07           | 400         | 20       |
| ASCH001005051N1SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.1                | 1.1               | 0.1            | 300         | 20       |
| ASCH001005051N2SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.2                | 1.2               | 0.09           | 400         | 20       |
| ASCH001005051N3SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.3                | 1.3               | 0.1            | 300         | 20       |
| ASCH001005051N5SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.5                | 1.5               | 0.1            | 400         | 20       |
| ASCH001005051N6SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.6                | 1.6               | 0.1            | 400         | 20       |
| ASCH001005051N8SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 1.8                | 1.8               | 0.1            | 400         | 20       |
| ASCH001005052N0SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 2                  | 2                 | 0.1            | 400         | 20       |
| ASCH001005052N2SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 2.2                | 2.2               | 0.12           | 400         | 20       |
| ASCH001005052N4SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 2.4                | 2.4               | 0.15           | 400         | 20       |
| ASCH001005052N7SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 2.7                | 2.7               | 0.15           | 400         | 20       |
| ASCH001005053N0SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 3                  | 3                 | 0.15           | 400         | 20       |
| ASCH001005053N3SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 3.3                | 3.3               | 0.15           | 400         | 20       |
| ASCH001005053N6SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 3.6                | 3.6               | 0.15           | 400         | 20       |
| ASCH001005053N9SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 3.9                | 3.9               | 0.18           | 400         | 20       |
| ASCH001005054N3SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 4.3                | 4.3               | 0.18           | 400         | 20       |
| ASCH001005054N7SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 4.7                | 4.7               | 0.18           | 400         | 20       |
| ASCH001005055N1SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 5.1                | 5.1               | 0.2            | 400         | 20       |
| ASCH001005055N6SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 5.6                | 5.6               | 0.2            | 400         | 20       |
| ASCH001005056N2SCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 6.2                | 6.2               | 0.22           | 400         | 20       |
| ASCH001005056N8JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 6.8                | 6.8               | 0.24           | 400         | 20       |
| ASCH001005058N2JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 8.2                | 8.2               | 0.24           | 300         | 20       |
| ASCH0010050510NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 10                 | 10                | 0.26           | 300         | 20       |
| ASCH0010050512NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 12                 | 12                | 0.28           | 300         | 20       |
| ASCH0010050515NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 15                 | 15                | 0.32           | 300         | 20       |
| ASCH0010050518NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 18                 | 18                | 0.36           | 300         | 20       |
| ASCH0010050522NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 22                 | 22                | 0.42           | 300         | 20       |
| ASCH0010050527NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 27                 | 27                | 0.46           | 300         | 20       |
| ASCH0010050533NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 33                 | 33                | 0.58           | 200         | 20       |
| ASCH0010050539NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 39                 | 39                | 0.65           | 200         | 20       |
| ASCH0010050547NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 47                 | 47                | 0.72           | 200         | 20       |
| ASCH0010050556NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 56                 | 56                | 0.82           | 200         | 20       |
| ASCH0010050568NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 68                 | 68                | 0.92           | 180         | 20       |
| ASCH0010050582NJCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 82                 | 82                | 1.2            | 150         | 20       |
| ASCH00100505R10JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 100                | 100               | 2              | 100         | 20       |
| ASCH00100505R12JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 120                | 120               | 2.2            | 100         | 20       |
| ASCH00100505R15JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 150                | 150               | 3.5            | 100         | 20       |
| ASCH00100505R18JCP               | 1.0    | 0.5   | 0.5    | 1005/0402              | 180                | 180               | 3.8            | 100         | 20       |
| ASCH001608081N0S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 1                  | 1                 | 0.1            | 600         | 20       |
| ASCH001608081N2S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 1.2                | 1.2               | 0.1            | 600         | 20       |
| ASCH001608081N5S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 1.5                | 1.5               | 0.1            | 600         | 20       |
| ASCH001608081N6S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 1.6                | 1.6               | 0.1            | 600         | 20       |
| ASCH001608081N8S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 1.8                | 1.8               | 0.1            | 600         | 20       |
| ASCH001608082N2S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 2.2                | 2.2               | 0.1            | 600         | 20       |
| ASCH001608082N7S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 2.7                | 2.7               | 0.1            | 600         | 20       |
| ASCH001608083N0S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 3                  | 3                 | 0.12           | 600         | 20       |
| ASCH001608083N3S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 3.3                | 3.3               | 0.12           | 600         | 20       |
| ASCH001608083N6S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 3.6                | 3.6               | 0.14           | 600         | 20       |
| ASCH001608083N9S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 3.9                | 3.9               | 0.14           | 600         | 20       |
| ASCH001608084N3S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 4.3                | 4.3               | 0.16           | 600         | 20       |

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### ASH000RF0-KIT JIS 1005, 1608 Size

#### Designer Kit Contents

| Pulse - Std Power<br>Part Number | L (mm) | W(mm) | T (mm) | SIZE Code<br>(JIS/EIA) | Inductance<br>(nH) | Tolerance<br>(±%) | RDC(Ω)<br>Max. | IDC(mA)Max. | Quantity |
|----------------------------------|--------|-------|--------|------------------------|--------------------|-------------------|----------------|-------------|----------|
| ASCH001608084N7S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 4.7                | 4.7               | 0.16           | 600         | 20       |
| ASCH001608085N1S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 5.1                | 5.1               | 0.18           | 600         | 20       |
| ASCH001608085N6S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 5.6                | 5.6               | 0.18           | 600         | 20       |
| ASCH001608086N2S00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 6.2                | 6.2               | 0.22           | 600         | 20       |
| ASCH001608086N8J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 6.8                | 6.8               | 0.22           | 600         | 20       |
| ASCH001608087N5J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 7.5                | 7.5               | 0.24           | 600         | 20       |
| ASCH001608088N2J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 8.2                | 8.2               | 0.24           | 600         | 20       |
| ASCH0016080810NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 10                 | 10                | 0.26           | 600         | 20       |
| ASCH0016080812NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 12                 | 12                | 0.28           | 600         | 20       |
| ASCH0016080815NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 15                 | 15                | 0.32           | 600         | 20       |
| ASCH0016080816NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 16                 | 16                | 0.35           | 600         | 20       |
| ASCH0016080818NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 18                 | 18                | 0.35           | 600         | 20       |
| ASCH0016080822NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 22                 | 22                | 0.4            | 500         | 20       |
| ASCH0016080827NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 27                 | 27                | 0.45           | 500         | 20       |
| ASCH0016080833NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 33                 | 33                | 0.55           | 400         | 20       |
| ASCH0016080839NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 39                 | 39                | 0.6            | 400         | 20       |
| ASCH0016080847NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 47                 | 47                | 0.7            | 400         | 20       |
| ASCH0016080856NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 56                 | 56                | 0.75           | 400         | 20       |
| ASCH0016080862NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 62                 | 62                | 0.85           | 400         | 20       |
| ASCH0016080868NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 68                 | 68                | 0.85           | 400         | 20       |
| ASCH0016080875NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 75                 | 75                | 1              | 300         | 20       |
| ASCH0016080882NJ00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 82                 | 82                | 1              | 300         | 20       |
| ASCH00160808R10J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 100                | 100               | 1.2            | 300         | 20       |
| ASCH00160808R12J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 120                | 120               | 1.3            | 300         | 20       |
| ASCH00160808R15J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 150                | 150               | 1.7            | 250         | 20       |
| ASCH00160808R18J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 180                | 180               | 1.9            | 250         | 20       |
| ASCH00160808R22J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 220                | 220               | 2              | 250         | 20       |
| ASCH00160808R27J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 270                | 270               | 2.2            | 150         | 20       |
| ASCH00160808R33J00               | 1.6    | 0.8   | 0.8    | 1608/0603              | 330                | 330               | 2.8            | 100         | 20       |

# RF Inductor-Multilayer

Automotive



ASH000RF0-KIT JIS 1005, 1608 Size

Dimensions – Millimeters (Inches)

