

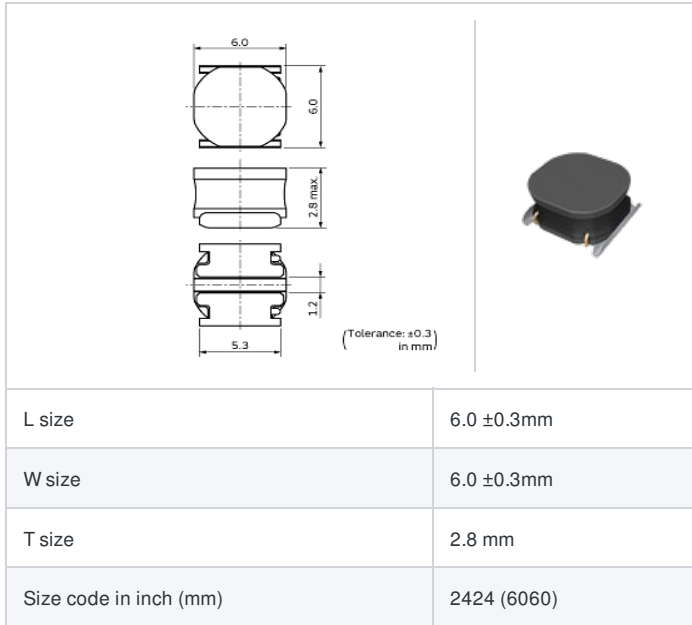
# 1253AY-2R2N#

# indicates a package specification code.



< List of part numbers with package codes >  
1253AY-2R2N=P3

## Shape



## Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%.  
Rated current (Itemp) is specified when temperature of the inductor is raised 40 °C by DC current.

## References

| Packaging code | Specifications         | Minimum quantity |
|----------------|------------------------|------------------|
| =P3            | φ330mm Embossed taping | 2000             |

| Mass (Typ.) |        |
|-------------|--------|
| 1 piece     | 0.340g |

## Specifications

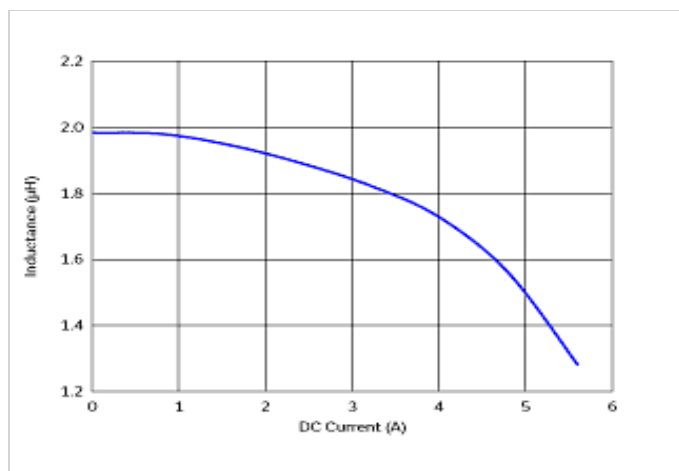
|                                                                 |                |
|-----------------------------------------------------------------|----------------|
| Inductance                                                      | 2.2μH ±30%     |
| Inductance test frequency                                       | 0.1MHz         |
| Rated current (Isat) (Based on Inductance change)               | 4000mA         |
| Rated current (Itemp) (Based on Temperature rise)               | 4800mA         |
| Max. of DC resistance                                           | 0.0240Ω        |
| Avg. of DC resistance                                           | 0.020Ω ±20%    |
| Operating temperature range (Self-temperature rise is included) | -40°C to 85°C  |
| Class of magnetic shield                                        | Magnetic Resin |
| Series                                                          | DG6028C        |

### Attention

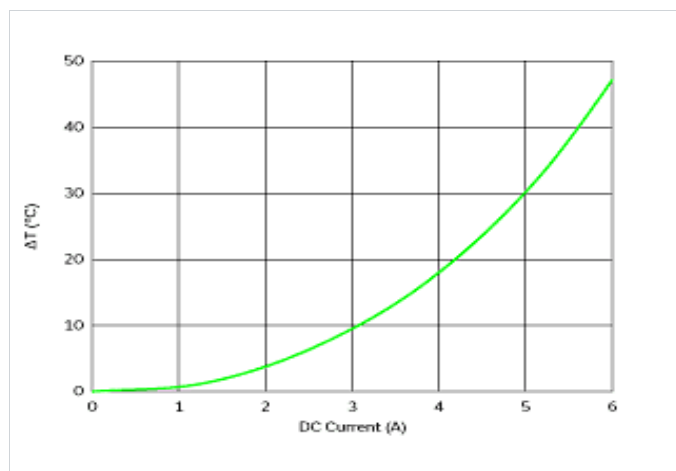
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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