

In Production

General

125 °C

Wound (Metal)

Reflow OK

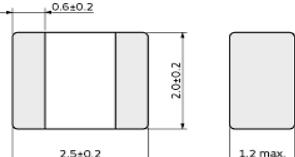
RoHS

REACH

< List of part numbers with package codes >

DFE252012P-2R2M=P2

Shape

| | |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  (in mm) |  |
| L size | 2.5 ± 0.2mm |
| W size | 2.0 ± 0.2mm |
| T size | 1.2 mm |
| Size code in inch (mm) | 1008 (2520) |

Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C)

Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current. (The ambient reference temperature is 20°C)

References

| Packaging code | Specifications | Minimum quantity |
|----------------|-------------------------|------------------|
| =P2 | ø 180mm Embossed taping | 3000 |

| Mass (Typ.) | |
|-------------|----------|
| 1 piece | 0.02835g |

Specifications

| | |
|-----------------------------------------------------------------|-------------|
| Inductance | 2.2μH ±20% |
| Inductance test frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 3000mA |
| Rated current (Itemp) (Based on Temperature rise) | 2200mA |
| Max. of DC resistance | 0.084Ω |
| Operating temperature range (Self-temperature rise is included) | -40~125°C |
| Class of magnetic shield | Metal Alloy |
| Absolute maximum voltage | 20V DC |

Attention

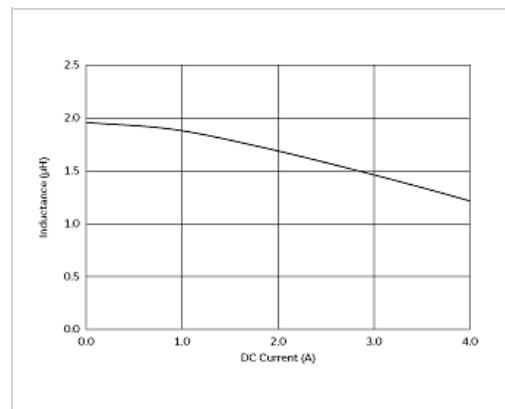
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2. This datasheet has only typical specifications because there is no space for detailed specifications.

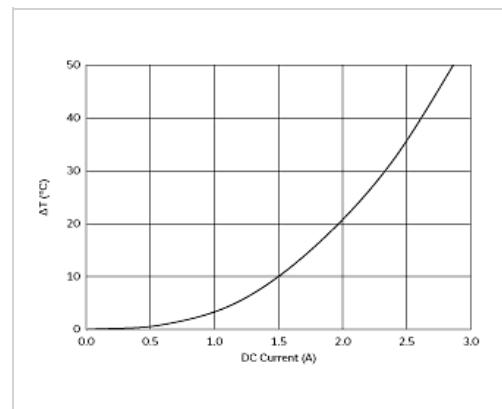
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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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