

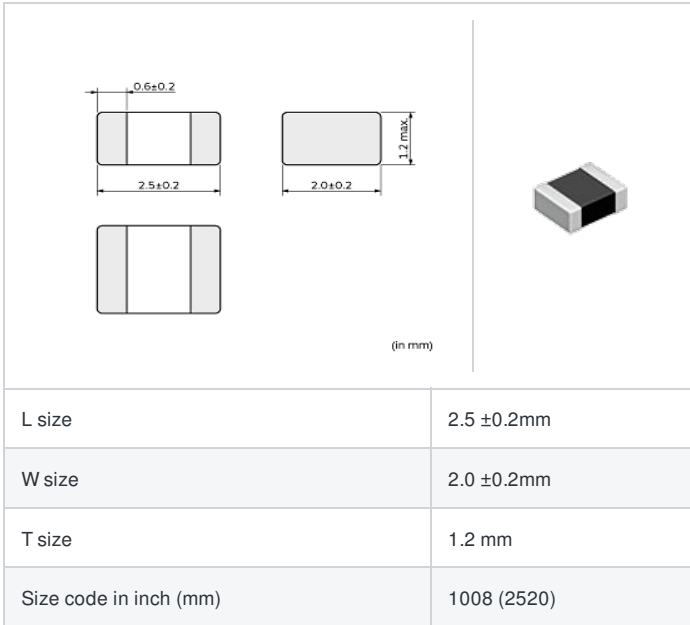
# DFE252012F-R82M#

# indicates a package specification code.



< List of part numbers with package codes >  
DFE252012F-R82M=P2

## Shape



## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C.)  
Rated current (I<sub>temp</sub>) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

## References

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

| Mass (Typ.) |          |
|-------------|----------|
| 1 piece     | 0.03305g |

## Specifications

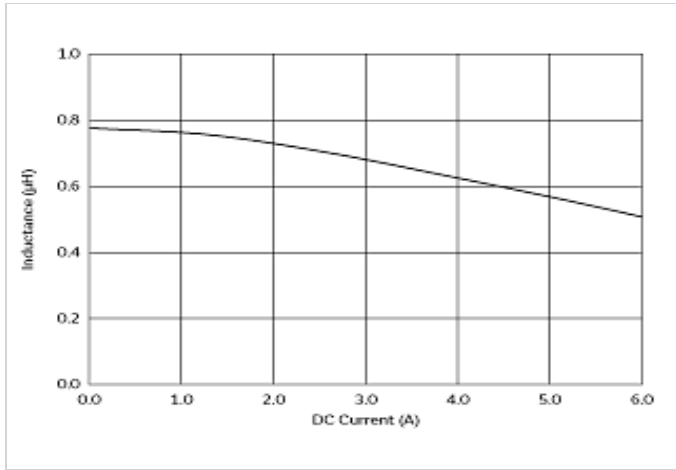
|   |             |
|---|-------------|
| Inductance  | 0.82μH ±20% |
| Inductance test frequency                                       | 1MHz        |
| Rated current (I <sub>sat</sub> ) (Based on Inductance change)  | 4900mA      |
| Rated current (I <sub>temp</sub> ) (Based on Temperature rise)  | 3600mA      |
| Max. of DC resistance   | 0.035Ω      |
| Operating temperature range (Self-temperature rise is included) | -40~125°C   |
| Class of magnetic shield  | Metal Alloy |
| Absolute maximum voltage  | 20V DC      |
| Series  | DFE252012F  |

### Attention

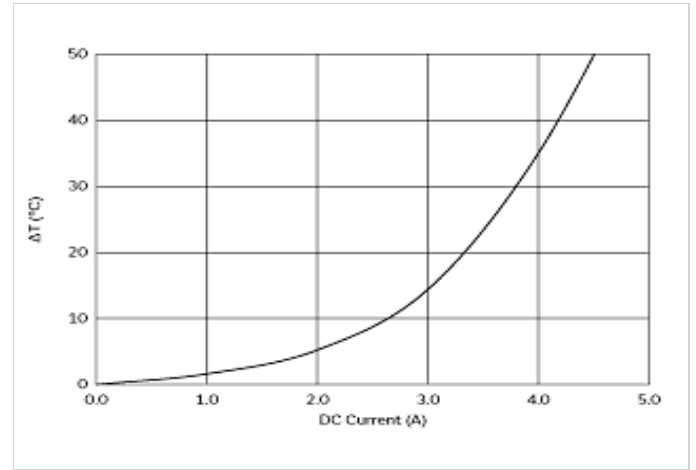
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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