Inductor Data Sheet

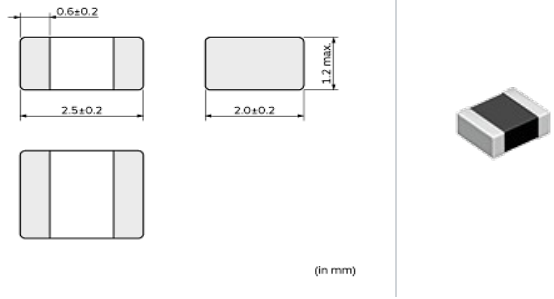
DFE252012F-R82M#

"#" indicates a package specification code.

In Production | General | 125 °C max. | Wound (Metal) | Reflow OK | RoHS | REACH

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

Shape



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 inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

References

Packaging code	Specifications	Minimum quantity
=P2	φ180mm Embossed taping	3000

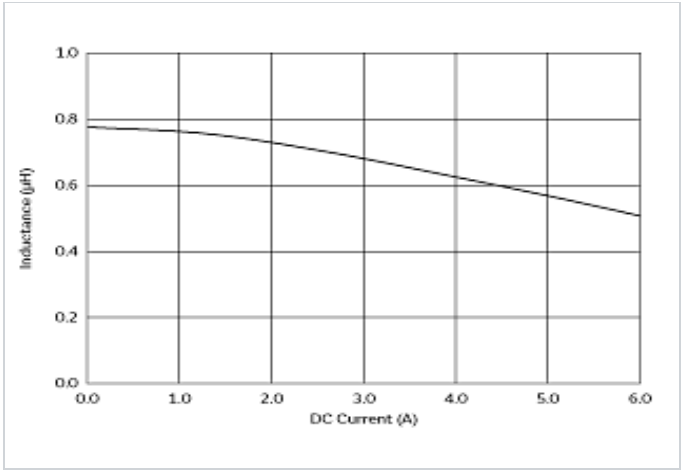
Mass (Typ.)	
1 piece	0.03305g

Specifications

Inductance	0.82µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	4900mA
Rated current (Itemp) (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

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

- Inductance-Current characteristics (Typ.)



- Temperature rise characteristics (Typ.)