Inductor Data Sheet

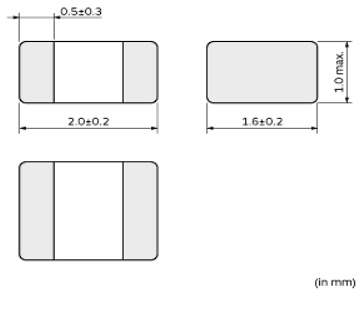
DFE201610E-1R0M#

"#" indicates a package specification code.

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

< List of part numbers with package codes >
DFE201610E-1R0M=P2

Shape





L size	2.0 ±0.2mm
W size	1.6 ±0.2mm
T size	1.0 mm
Size code in inch (mm)	0806 (2016)

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	0.0151g

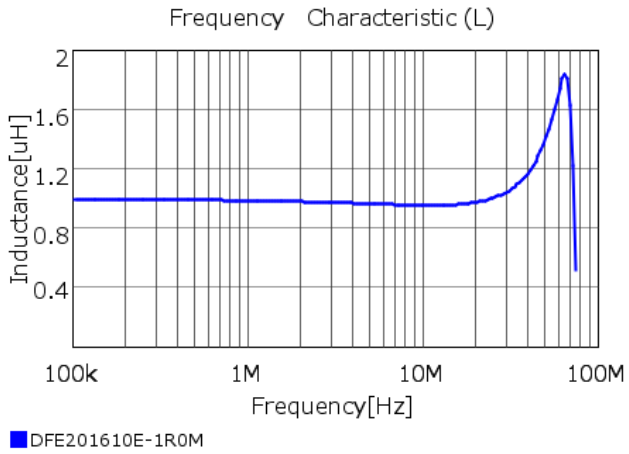
Specifications

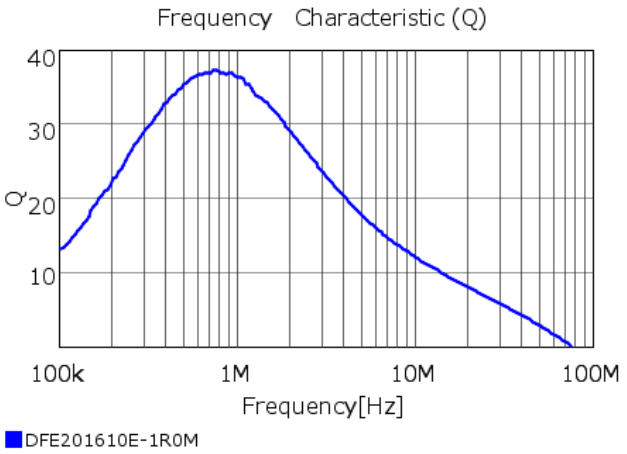
Inductance	1.0μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	3600mA
Rated current (Itemp) (Based on Temperature rise)	2700mA
Max. of DC resistance	0.057Ω
Operating temperature range (Self-temperature rise is included)	-40～125°C
Class of magnetic shield	Metal Alloy
Absolute maximum voltage	20V DC
Series	DFE201610E

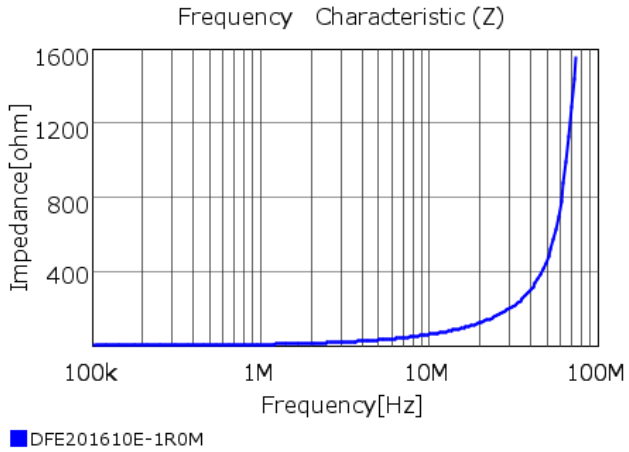
Attention

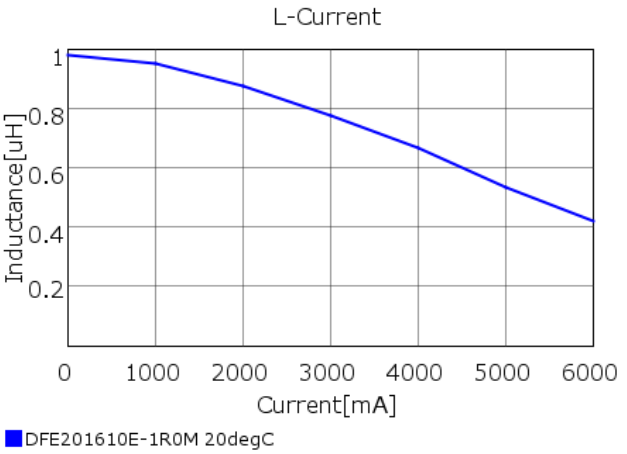
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet has 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.

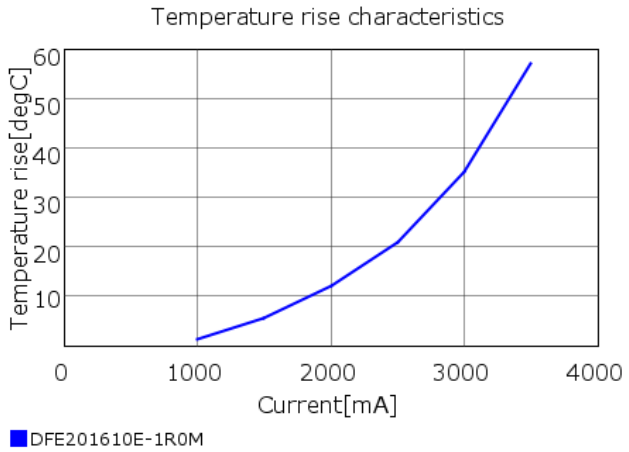
Chart of characteristic data (The charts below may show another part number which shares its characteristics.)











Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
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.