

DFE2MCPHR47MJLLQ

Capable of handling large currents, High withstand voltage type



Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive powertrain/safety equipment

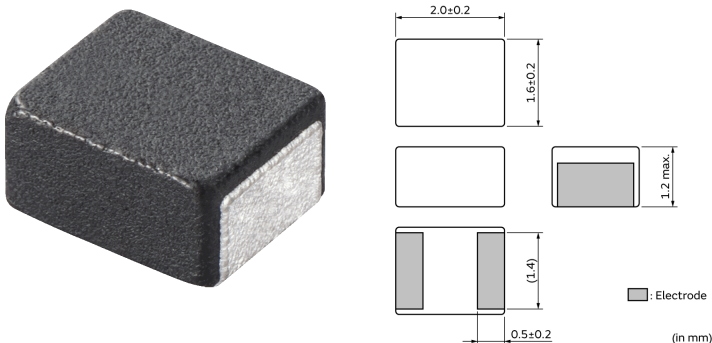
Notices

Keep the temperature (ambient temperature plus self-generation of heat) under 155°C. The rated current is the rated current based on inductance change and the rated current based on temperature rise, whichever is smaller one.

References

Packaging	Specifications	Standard Packing Quantity
L	180 Embossed Tape	3000

Appearance & Shape



Mass (typ.)	
1 piece	0.023g

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

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Specifications

L size	2.0±0.2mm
W size	1.6±0.2mm
T size	1.2mm
Size code inch (mm)	0806 (2016)
Inductance	0.47μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	5400mA(Max.) / 6300mA(Typ.)
Rated current (Itemp) (Based on Temperature rise)	4400mA(Max.) / 5500mA(Typ.)
Max. of DC resistance	0.022Ω
DC resistance	0.019Ω(Typ.)
Operating Temperature Range (Self-temperature rise is included)	-40°C to 155°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 115°C
Class of magnetic shield	Shielded (Metal Alloy)
Brand	Murata
Series	DFE2MCPH_JL

Attention

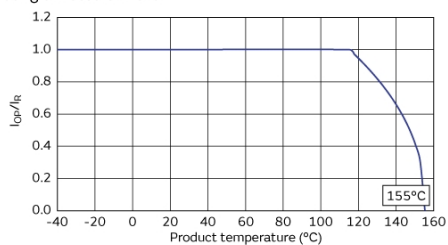
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Notice For General

Max. current (DC, AC) as function of product temperature (derating curve).

Derating of Rated Current



I_{op} : Loaded current
 I_a : Rated current

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