

FCUL0530-R47M#

Note: This datasheet may be out of date.

Please download the latest datasheet of FCUL0530-R47M# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=FCUL0530-R47M%23

"#"at the end indicates the package specification code.











< List of part numbers with package codes > FCUL0530-R47M=P3



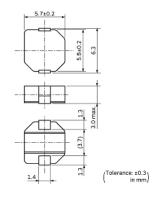
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer to Our Website and	
Applications	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	Consumer equipment	
Applications		



Appearance & Shape







Notices

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.



References

Packaging	Specifications	Standard Packing Quantity
=P3	330Embossed Tape	1000

M	ass (typ.)	
1	piece	0.4802g

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

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Specifications

I size	6.3±0.3mm
L Size	6.3±0.3mm
W size	5.7±0.2mm
T size	3.0mm
Size code inch (mm)	2522 (6357)
Inductance	0.47µH±20%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	14A(Max.) / 18A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	16A(Max.) / 19A(Typ.)
Max. of DC resistance	0.0030495Ω
DC resistance	0.00285Ω±7%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Shielded (Metal Alloy)
Absolute maximum voltage	30Vdc
Brand	Murata
Series	FCUL0530

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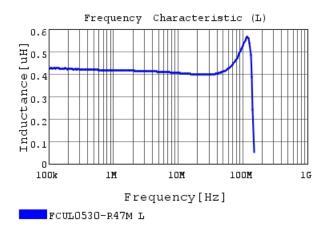
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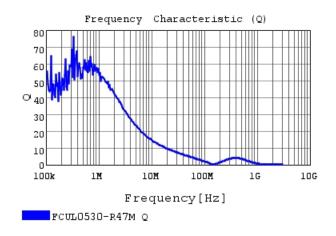


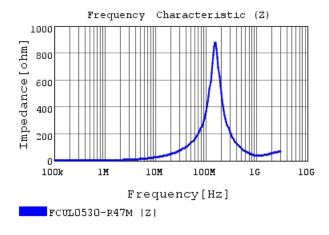
Characteristic Data

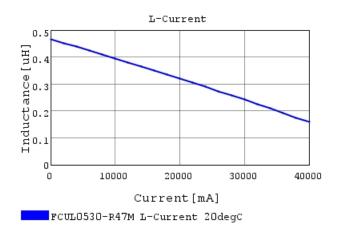
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The charts below may show another part number which shares its characteristics.









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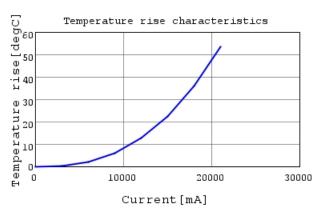
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FCULO530-R47M Temp. rise

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