

Note: This datasheet may be out of date

Please download the latest datasheet of DFE21CCNR47MEL# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=DFE21CCNR47MEL%23

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

















< List of part numbers with package codes > DFE21CCNR47MELL



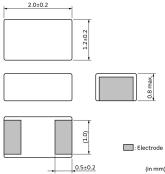
### **Applications**

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**

The saturation allowable DC current value is specified when the decrease of the initial Inductance value at 30%. The rated current (Based on the temperature rise) is the current value that reaches 40°C. Keep the temperature (ambient temperature plus self-generation of heat) under 125°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	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.013g

1 of 4

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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	1.2±0.2mm
T size	0.8mm
Size code inch (mm)	0805 (2012)
Inductance	0.47µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	4800mA(Max.) / 5400mA(Typ.)
Rated current (Itemp) (Based on Temperature rise)	4100mA(Max.) / 5000mA(Typ.)
Max. of DC resistance	0.029Ω
DC resistance	0.025Ω(Typ.)
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Shielded (Metal Alloy)
Absolute maximum voltage	20Vdc
Brand	Murata
Series	DFE21CCN_EL

2 of 4

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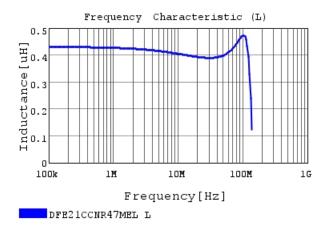
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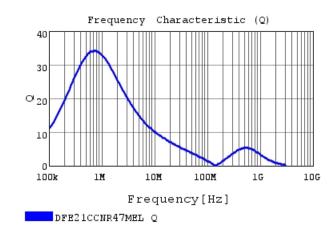
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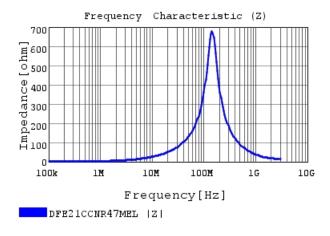


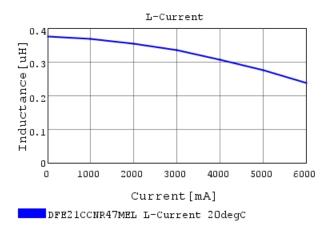
### Characteristic Data

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









3 of 4

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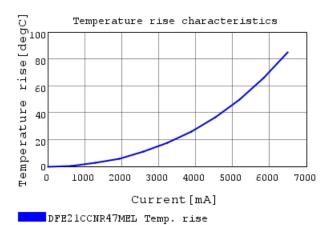


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4 of 4

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