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Please download the latest datasheet of DFEG7030D-6R8M# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=DFEG7030D-6R8M%2

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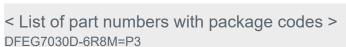














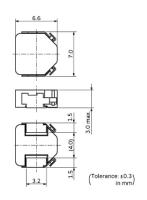
Applications

Diagon ha give to read and comply with	
Please be sure to read and comply with	
these "Precautions for use."	
Consumer equipment, Automotive	
infotainment/comfort equipment,	
Automotive powertrain/safety equipment,	
Medical equipment [GHTF A/B/C]	
except for implant & surgery & auto	
injector,Industrial Equipment	
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.	
Automotive powertrain/safety equipment	



Appearance & Shape







Notices

Rated current (Isat) is specified when the decrease of the initial inductance value at 20%. Rated current (Itemp) is specified when temperature of the inductor is raised 40°C by DC current.



References

		Standard
Packaging	Specifications	Packing
		Quantity
=P3	330Embossed Tape	1000

Mass (typ.)		
1	piece	0.6614g

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





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Specifications

	,
L size	7.0±0.3mm
W size	6.6±0.3mm
T size	3.0mm
Size code inch (mm)	2726 (7066)
Inductance	6.8µH±20%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	3.9A(Max.) / 5.2A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	3.5A(Max.) / 4.4A(Typ.)
Max. of DC resistance	0.059Ω
DC resistance	0.049Ω(Typ.)
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Shielded (Metal Alloy)
Absolute maximum voltage	50Vdc
Brand	Murata
Series	DFEG7030D

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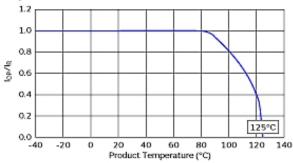
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Notice For General

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

Derating of Rated Current



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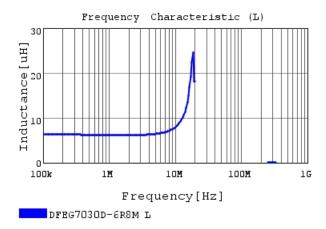
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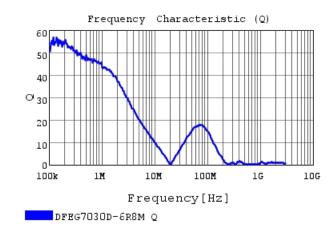


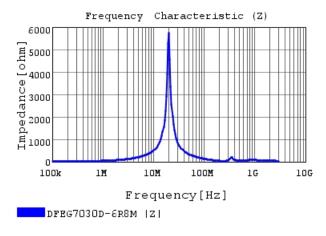
Characteristic Data

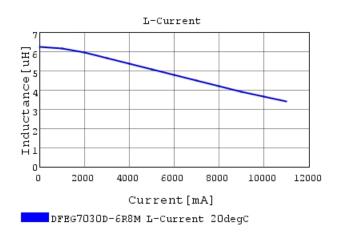
DFEG7030D-6R8M#

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









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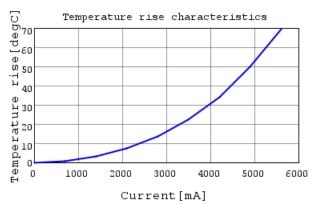


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DFEG7030D-6R8M Temp. rise

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