

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of 1248AS-H-1R5N# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=1248AS-H-1R5N%23

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

In Production











< List of part numbers with package codes > 1248AS-H-1R5N=P3

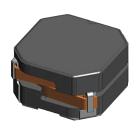


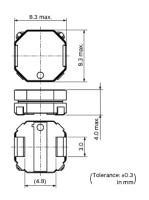
Applications

Please be sure to read and comply with	
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	
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.	
Consumer equipment	



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		Standard
	Specifications	Packing
		Quantity
=P3	330Embossed Tape	1000

Mass (typ.)	
1 piece	1.05g

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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	8.0±0.3mm
W size	8.0±0.3mm
T size	4.0mm
Size code inch (mm)	3131 (8080)
Inductance	1.5µH±30%
Inductance Test Frequency	0.1MHz
Rated current (Isat) (Based on Inductance change)	10A(Max.) / 14A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	8A(Max.) / 9.4A(Typ.)
Max. of DC resistance	0.0101Ω
DC resistance	0.0084Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 85°C
Class of magnetic shield	Shielded (Ferrite Core)
Brand	Murata
Series	DEM8040C

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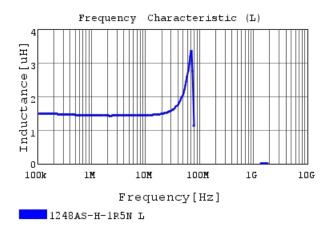
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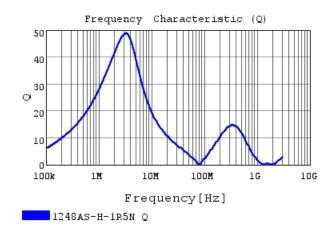
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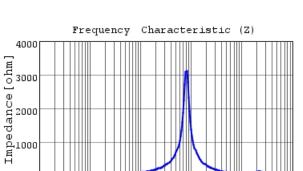


Characteristic Data

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







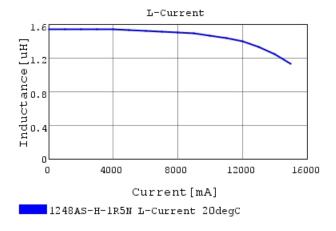
Frequency[Hz]

1M

1248AS-H-1R5N |Z|

100k

100M 10G



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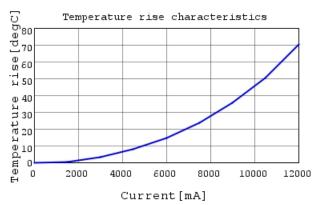


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1248AS-H-1R5N Temp. rise

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