Product Name	**Wire Wound Inductor for Power Lin**
Series	**VLF Series**
Type	**5010A-2 Type**
Part Number	**VLF5010AT-220MR50-2**

Product Lifecycle Stage PROD

Specification

Mounting Method Flag		Yes
Processing		wire wound type
Shape		SMD
Size Code		5010
Body Length(L)	Nom	4.7 mm
Body Breadth(W)	Nom	4.5 mm
Body Height(T)	Max	1 mm
Rated Inductance	Nom	22 micro H
Inductance Tolerance (%)	Min	-20 %
	Max	20 %
Test Frequency of Inductance	Nom	100 kHz
DC Resistance	Max	0.85 Ohm
DC Resistance	Nom	0.74 Ohm
Rated Current	Max	0.5 A
IDC1 (Inductance Change)	Max	0.54 A
IDC2 (Temperature Rise)	Max	0.5 A
Temperature Rise		40 deg C
Terminal Material		Copper alloy / Tin
Polarity Marking		No
Magnetic Shielding		Yes
Soldering Method		Reflow
Measuring Equipment(Inductance		4285A
Measuring Equipment(DC Resistance)		VP2941A or equivalent
Category Temperature Rang (Including Self-temperature Rise)	Min	-40 Cel
	Max	105 Cel
Storage Temperature Range	Min	-40 Cel
	Max	105 Cel
Weight	Nom	0.07 g

Summary/Applications/Features

Summary	These are compact inductors for power line measuring at L4.5xW4.7mm and 1.0mm in he considerably smaller compared to inductors with comparable characteristics.
Applications	DVCs, DSCs, PDAs, MDs, LCD displays, cellular phones, cordless telephones, HDDs, FDDs, etc.
Features	Miniature size, Mount area: 4.5x4.7mm, Heig 1.0mm max. Generic use for portable DC to DC converter line. High magnetic shield construction should actualize high resolution for EMC protection. Available for automatic mounting in tape and real package. The products do not contain lead and support lead-free soldering.

Packaging

Packing		Blister (Plastic)Taping [180m Reel]
Minumum Package Qty	Nom	1000 Pcs
Minimum Order Qty	Nom	1000 Pcs

[Caution]

Specifications which provide more details for the proper and safe use of the described product are available upon request.

[Notice of Revision and Improve]

All specifications are subject to change without notice.

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