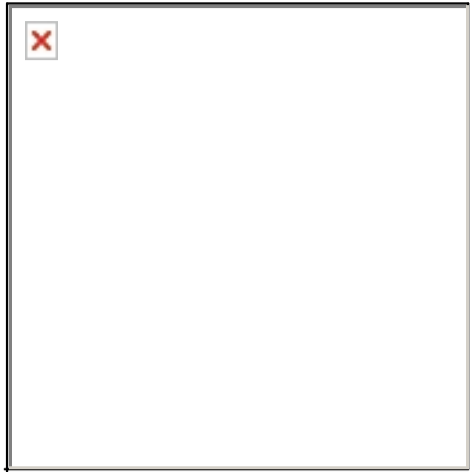


Product Name Wire Wound Inductor for Power Line
Series VLF Series
Type 5010A2 Type
Part Number VLF5010AT220MR50-2

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 Range (Including Selftemperature 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 height, 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, Height 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 reel package. The products do not contain lead and support lead-free soldering.

Packaging

Packing	Blister (Plastic)Taping [180mm Reel]	
Minimum 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.