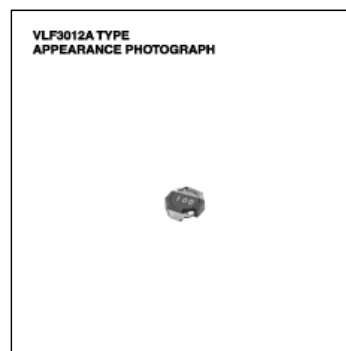



[PAGE BACK](#) [CLOSE](#)

Product Name Wire Wound Inductor for Power Line
Series VLF Series
Type 3012A Type
Part Number VLF3012AT-470MR22-1

Product Lifecycle Stage PROD



Specification

Mounting Method Flag	Yes	
Processing	WINDING	
Shape	SMD	
Size Code	3012	
Body Length(L)	Nom	2.8 m m
Body Breadth(W)	Nom	2.6 m m
Body Height(T)	Nom	1.2 m m
Rated Inductance	Nom	47 micro H
Inductance Tolerance (%)	Min	-20 %
	Max	20 %
Test Frequency of Inductance	Nom	100 k Hz
DC Resistance	Max	2.2 Ohm
DC Resistance	Nom	1.9 Ohm
Rated Current	Max	0.22 A
IDC1 (Inductance Change)	Max	0.22 A
IDC2 (Temperature Rise)	Max	0.29 A
Temperature Rise	Max	40 Cel
Terminal Material	Copper alloy / Tin	
Polarity Marking	No	
Magnetic Shielding	Yes	
Soldering Method	Reflow	
Category Temperature Range	Min	-40 Cel
	Max	105 Cel
Storage Temperature Range	Min	-40 Cel
	Max	105 Cel
Weight	Nom	0.027 g

Summary/Applications/Feature

Summary	These are compact inductors for power line measuring at L2.6xW2.8mm and 1.2mm in height, considerably smaller compared to inductors with comparable characteristics.
Applications	DVCs, DSCs, PDAs, LCD displays, Cellular phones, HDDs, etc. Generic use for portable DC to DC converter line
Feature	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	2000 Pcs
Minimum Order Qty	Nom	2000 Pcs

[Details](#)

● [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.

[PAGE TOP](#) 

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