

Product Name Wire Wound Inductor for Power Line
Series VLF Series
Type 3014A Type
Part Number VLF3014AT100MR59

Product Lifecycle Stage PROD



Specification

Mounting Method Flag	Yes		
Processing	wire wound type		
Shape	SMD		
Size Code	3014		
Body Length(L)	Nom	2.8	mm
Body Breadth(W)	Nom	2.6	mm
Body Height(T)	Max	1.4	mm
Rated Inductance	Nom	10	micro H
Inductance Tolerance (%)	Min	-20	%
	Max	20	%
Test Frequency of Inductance	Nom	100	kHz
DC Resistance	Max	0.46	Ohm
DC Resistance	Nom	0.4	Ohm
Rated Current	Max	0.59	A
IDC1 (Inductance Change)	Max	0.59	A
IDC2 (Temperature Rise)	Max	0.65	A
Temperature Rise	40 deg C		
Terminal Material	Copper alloy / Tin		
Polarity Marking	No		
Magnetic Shielding	Yes		
Soldering Method	Reflow		
Category Temperature Range (Including Selftemperature Rise)	Min	-40	Cel
	Max	105	Cel
Storage Temperature Range	Min	-40	Cel
	Max	105	Cel
Weight	Nom	0.036	g

Summary/Applications/Features

Summary These are compact inductors for power line measuring at L2.6xW2.8mm and 1.4mm 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: 2.6x2.8mm, Height 1.4mm 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 leadfree soldering.

Packaging

Packing	Blister (Plastic)Taping [180mm Reel]		
Minimum Package Qty	Nom	2000	Pcs
Minimum Order Qty	Nom	2000	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.