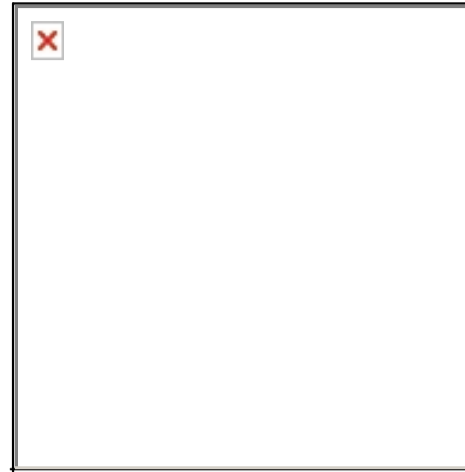


**Product Name** Wire Wound Inductor for Power Line  
**Series** VLF Series  
**Type** 5014A Type  
**Part Number** VLF5014AT2R7M1R5

Product Lifecycle Stage PROD



**Specification**

Mounting Method Flag	Yes	
Processing	wire wound type	
Shape	SMD	
Size Code	5014	
Body Length(L)	Nom	4.7 mm
Body Breadth(W)	Nom	4.5 mm
Body Height(T)	Max	1.4 mm
Rated Inductance	Nom	2.7 micro H
Inductance Tolerance (%)	Min	-20 %
	Max	20 %
Test Frequency of Inductance	Nom	100 kHz
DC Resistance	Max	0.07Ω Ohm
DC Resistance	Nom	0.06Ω Ohm
Rated Current	Max	1.5 A
IDC1 ( Inductance Change)	Max	2.2 A
IDC2 ( Temperature Rise)	Max	1.5 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	0.1 g

**Summary/Applications/Features**

Summary	These are compact inductors for power line measuring at L4.5xW4.7mm 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	Generic use for portable DC to DC converter 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	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.