

Product Name

Series

Type

Part Number

Wire Wound Inductor for Power Line

VLF Series

5014A Type

VLF5014AT220MR62

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 | 22 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 | 0.62 A | |
| IDC1 (Inductance Change) | Max | 0.81 A | |
| IDC2 (Temperature Rise) | Max | 0.62 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 | |

[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.

| 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] | |
| Minumum Package Qty | Nom | | 1000 Pcs |
| Minimum Order Qty | Nom | | 1000 Pcs |

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