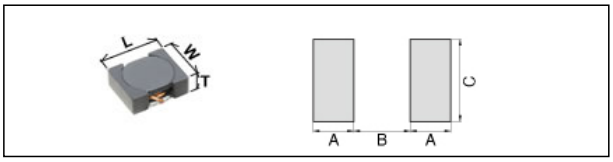
# VLF504010MT-150M-CA

| | | |
|---|---|---|
| Applications | | Automotive Grade |
| Feature | Wire Wound | Wire Wound |
| | Shield | Magnetic Shield |
| | Ferrite Core | Ferrite Core |
| | AEC-Q200 | AEC-Q200 |
| Series | VLF-M Series / VLF504010MT-CA Type | |
| Status | PROD | |




Lead Free | Halogen Free | REACH | RoHS COMPLIANT

| Size | |
|---|---|
| Length(L) | 5.00mm +/-0.30mm |
| Width(W) | 4.00mm +/-0.30mm |
| Thickness(T) | 1.00mm Max. |
| Recommended Land Pattern (A) | 1.30mm Nom. |
| Recommended Land Pattern (B) | 1.60mm Nom. |
| Recommended Land Pattern (C) | 2.20mm Nom. |

| Electrical Characteristics | |
|---|---|
| Inductance | 15uH +/-20% at 1MHz |
| Rated Current (L Change) [Typ.] | 830mA (30% Down) |
| Rated Current (L Change) [Max.] | 740mA (30% Down) |
| Rated Current (Temperature Rise) [Typ.] | 980mA (40degC Rise) |
| DC Resistance [Nom.] | 330mΩ |
| DC Resistance [Max.] | 400mΩ |

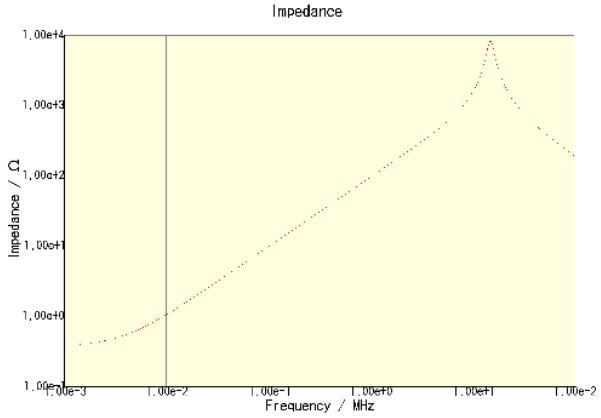
| Other | |
|---|---|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 105degC |
| Soldering Method | Reflow |
| AEC Q200 | Yes |
| Packing | Blister (Plastic)Taping [180mm Reel] |
| Package Quantity | 1000Pcs Min. |
| Weight | 0.073g |

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•All specifications are subject to change without notice.

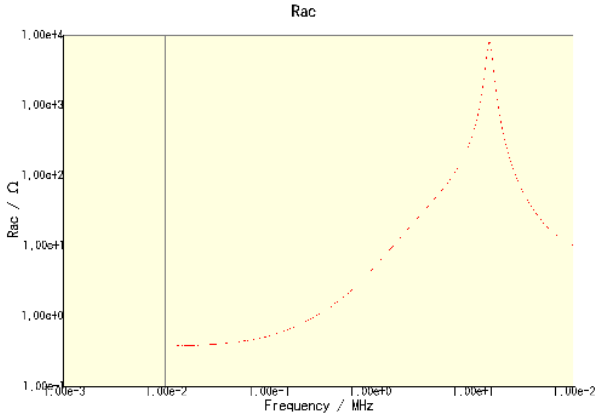
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# VLF504010MT-150M-CA

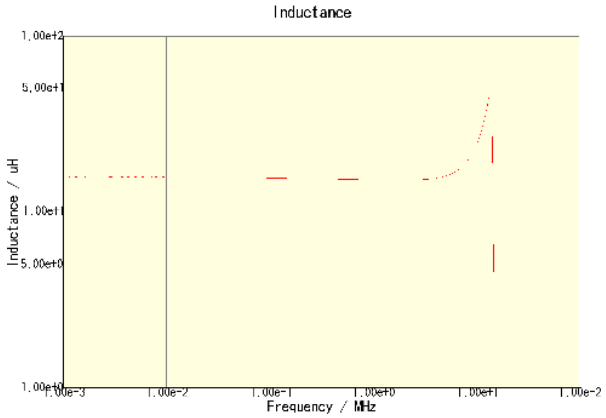
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



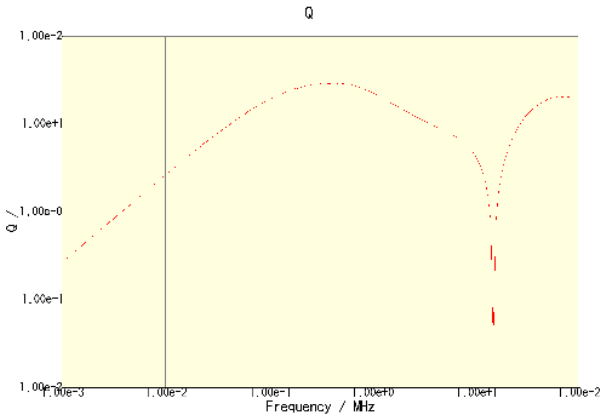

VLF504010MT-150M-CA




VLF504010MT-150M-CA




VLF504010MT-150M-CA



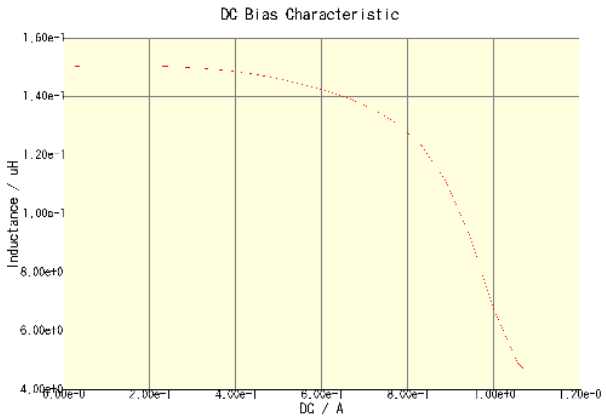

VLF504010MT-150M-CA

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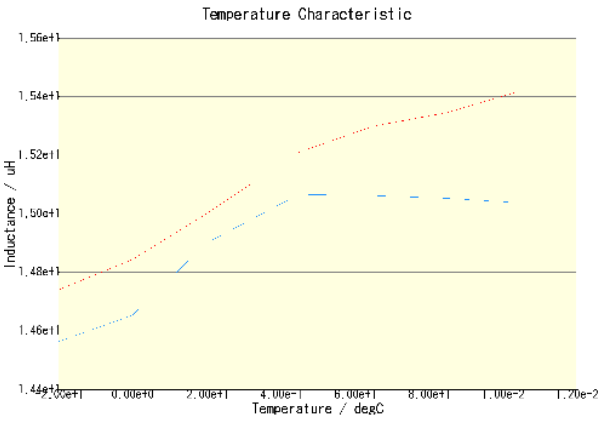
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# VLF504010MT-150M-CA

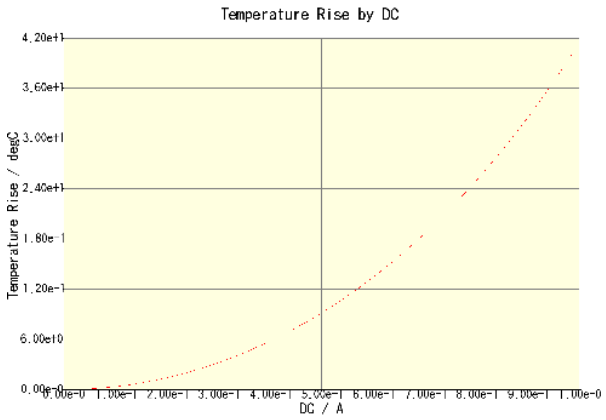
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)




VLF504010MT-150M-CA(Amb. Temp. = 20degc)




VLF504010MT-150M-CA(DC = 0A) VLF504010MT-150M-CA(DC = 0.37A)




VLF504010MT-150M-CA(Amb. Temp. = 20degc)

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