





# VLF302515MT-6R8M-CA

|              |   |                  |
|--------------|---|------------------|
| Applications |  | Automotive Grade |
| Feature      |  | Wire Wound       |
|              |  | Magnetic Shield  |
|              |  | Ferrite Core     |
| Series       | VLF-M Series / VLF302515MT-CA Type  |                  |
| Status       | Production  |                  |



| Size                         |                  |
|------------------------------|------------------|
| Length(L)                    | 3.00mm +/-0.20mm |
| Width(W)                     | 2.50mm +/-0.20mm |
| Thickness(T)                 | 1.50mm Max.      |
| Recommended Land Pattern (A) | 0.90mm Nom.      |
| Recommended Land Pattern (B) | 0.80mm Nom.      |
| Recommended Land Pattern (C) | 1.45mm Nom.      |

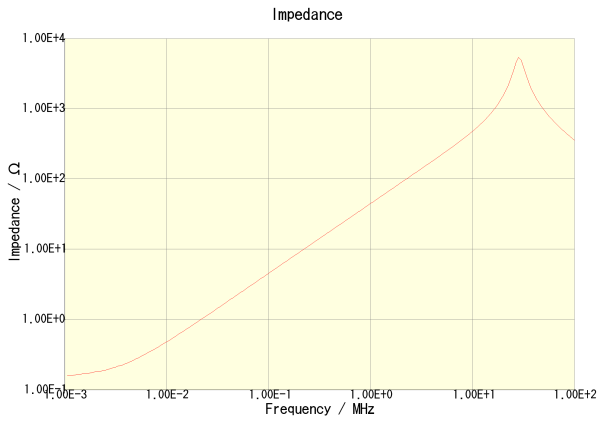
| Electrical Characteristics              |                      |
|---|----------------------|
| Inductance                              | 6.8uH +/-20% at 1MHz |
| Rated Current (L Change) [Typ.]         | 860mA (30% Down)     |
| Rated Current (L Change) [Max.]         | 770mA (30% Down)     |
| Rated Current (Temperature Rise) [Typ.] | 1.45A (40degC Rise)  |
| DC Resistance [Nom.]                    | 130mΩ                |
| DC Resistance [Max.]                    | 160mΩ                |

| Other   |                                      |
|---|--------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 105degC                       |
| Soldering Method                                  | Reflow                               |
| AEC Q200  | No                                   |
| Packing   | Blister (Plastic)Taping [180mm Reel] |
| Package Quantity                                  | 2000Pcs Min.                         |
| Weight  | 0.041g                               |

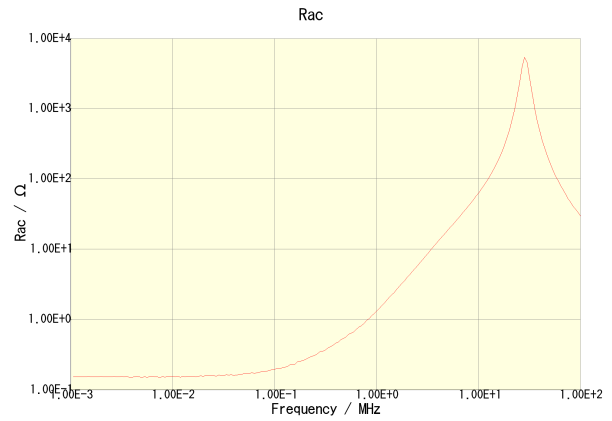
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 •All specifications are subject to change without notice.

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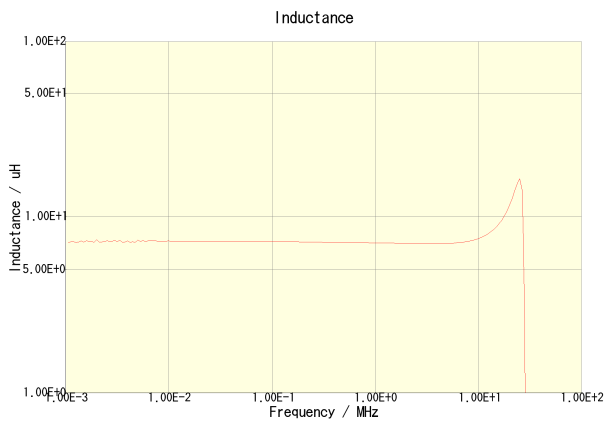
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



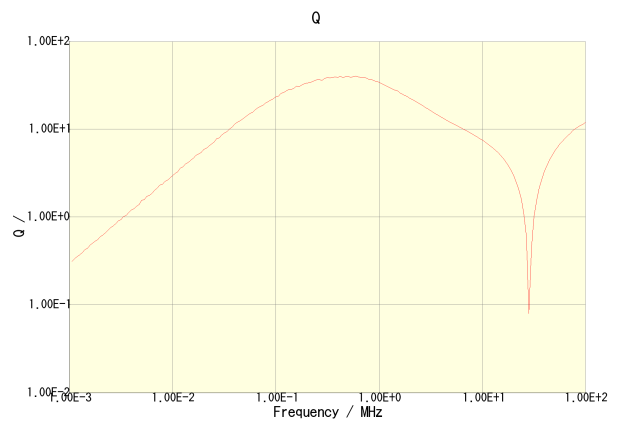
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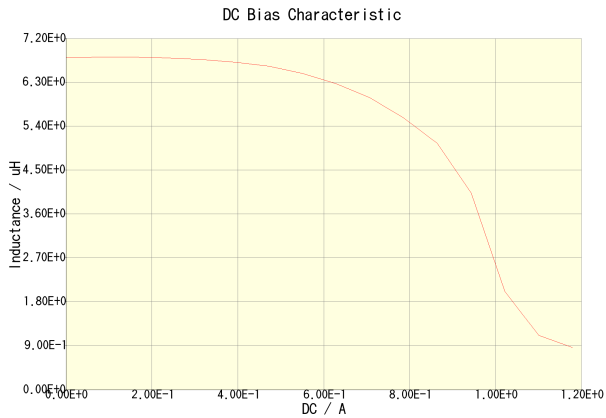


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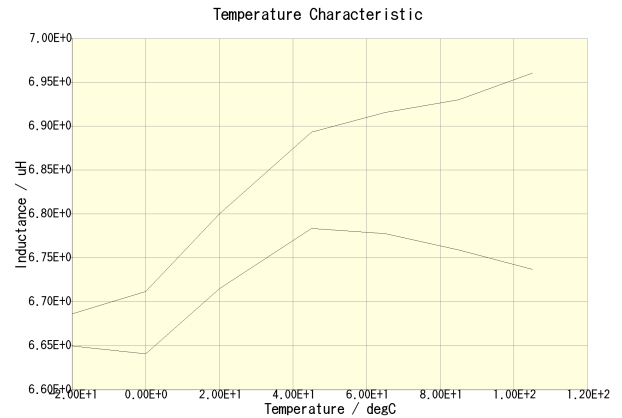
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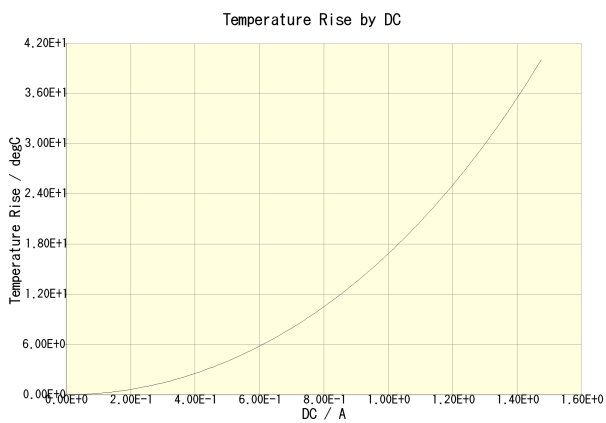
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



VLF302515MT-6R8M-CA(Amb. Temp. = 20degc)



VLF302515MT-6R8M-CA(DC = 0A) VLF302515MT-6R8M-CA(DC = 0.385A)



VLF302515MT-6R8M-CA(Amb. Temp. = 20degc)

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