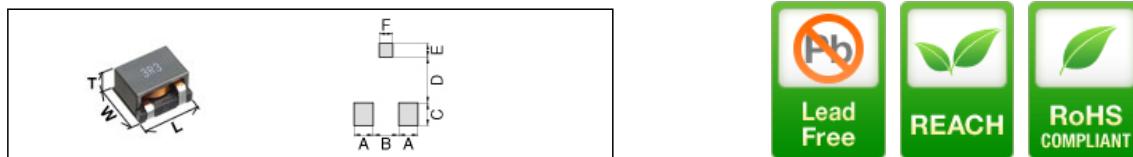


## VLM13580T-1R5M-D1

Applications		Automotive Grade
Feature	<input checked="" type="checkbox"/> <b>Wire Wound</b> <input type="checkbox"/> <b>Shield</b> <input type="checkbox"/> <b>Ferrite Core</b> <input type="checkbox"/> <b>AEC-Q200</b>	<b>Wire Wound</b> <b>Magnetic Shield</b> <b>Ferrite Core</b> <b>AEC-Q200</b>
Series	VLM Series / VLM13580-D1 Type	
Status	Production	



Size	
Length(L)	13.50mm +/-0.50mm
Width(W)	12.20mm +/-0.50mm
Thickness(T)	7.80mm +/-0.50mm
Recommended Land Pattern (A)	2.45mm Nom.
Recommended Land Pattern (B)	5.40mm Nom.
Recommended Land Pattern (C)	3.40mm Nom.
Recommended Land Pattern (D)	6.00mm Nom.
Recommended Land Pattern (E)	3.30mm Nom.
Recommended Land Pattern (F)	3.00mm Nom.

Electrical Characteristics	
Inductance	1.5uH +/-20% at 100kHz
Rated Current (L Change) [Max.]	26A (30% Down)
Rated Current (Temperature Rise) [Typ.]	11.3A (20degC Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Nom.]	2.1mΩ
DC Resistance [Max.]	2.5mΩ

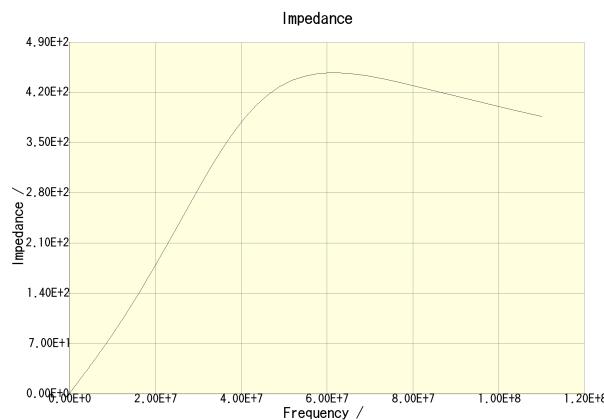
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 150degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	400Pcs Min.
Weight	3.9g

•This PDF document was created based on the data listed on the TDK Corporation website.

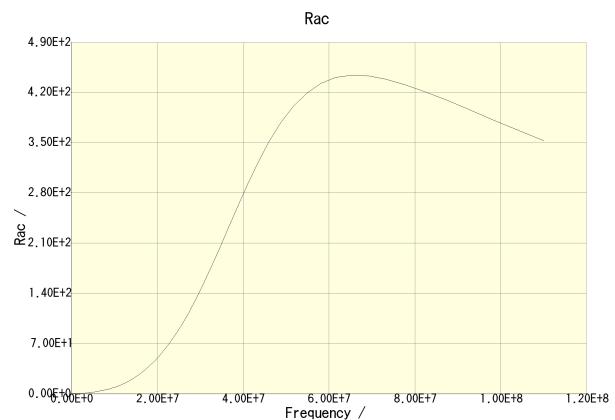
•All specifications are subject to change without notice.

## VLM13580T-1R5M-D1

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



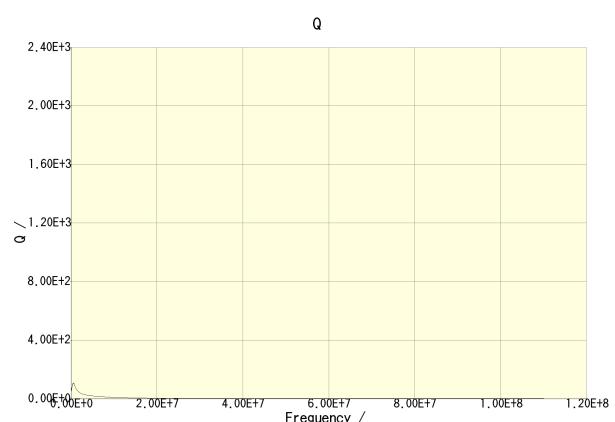
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## VLM13580T-1R5M-D1

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

DC Bias Characteristic

no data available

Temperature Characteristic

no data available

Temperature Rise by DC

no data available

# Mouser Electronics

Authorized Distributor

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