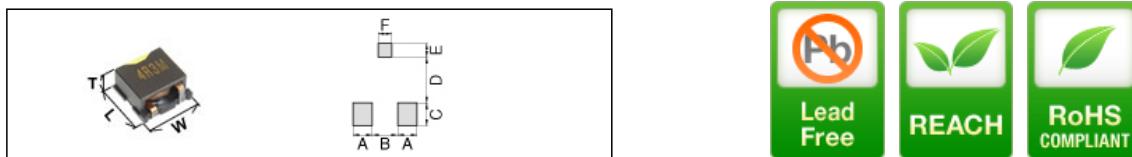


VLM10555T-1R2M100-3H

Applications		Automotive Grade
Feature	<input checked="" type="checkbox"/> Wire Wound <input type="checkbox"/> Shield <input type="checkbox"/> Ferrite Core <input type="checkbox"/> AEC-Q200	Wire Wound Magnetic Shield Ferrite Core AEC-Q200
Series	VLM Series / VLM10555-3H Type	
Status	Production	



Size	
Length(L)	10.30mm +0.20mm
Width(W)	10.60mm +/-0.20mm
Thickness(T)	5.40mm +/-0.20mm
Recommended Land Pattern (A)	2.60mm Nom.
Recommended Land Pattern (B)	3.40mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	6.10mm Nom.
Recommended Land Pattern (E)	1.90mm Nom.
Recommended Land Pattern (F)	1.80mm Nom.

Electrical Characteristics	
Inductance	1.2uH +/-20% at 100kHz
Rated Current (L Change) [Max.]	18A (25% Down)
Rated Current (Temperature Rise) [Typ.]	10A (40degC Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Nom.]	2.7mΩ
DC Resistance [Max.]	3.2mΩ

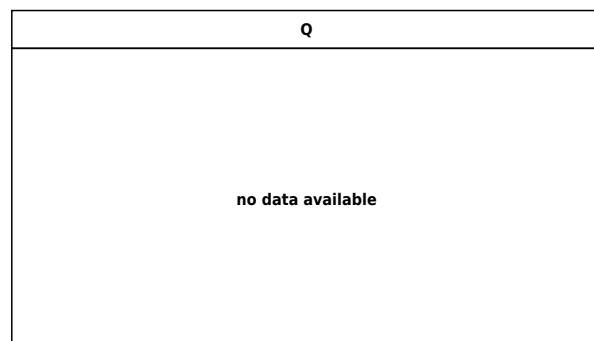
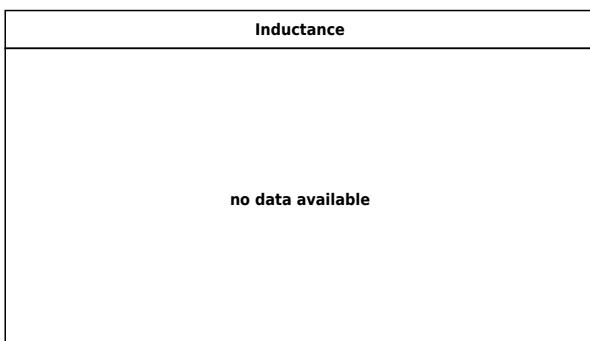
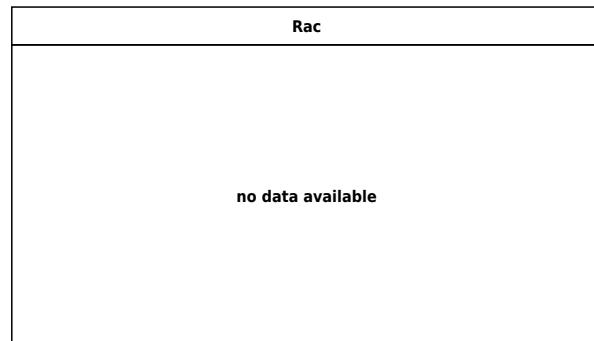
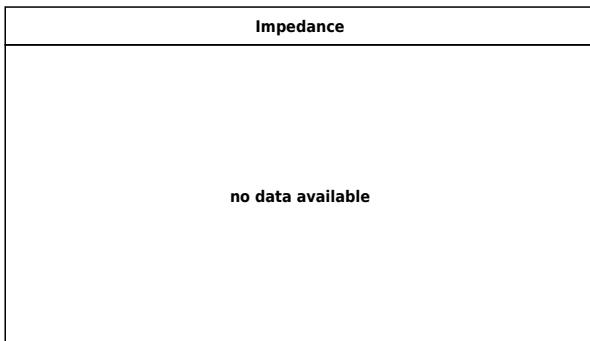
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	500Pcs Min.
Weight	1.7g

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

•All specifications are subject to change without notice.

VLM10555T-1R2M100-3H

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



VLM10555T-1R2M100-3H

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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TDK:

[VLM10555T-1R2M100-3H](#)