

VLM13580T-R82M-D1



<b>Applications</b>	Automotive Grade
<b>Feature</b>	AEC-Q200
	Wire Wound
	Magnetic Shield
	Ferrite Core
<b>Series   Type</b>	VLM
<b>Status</b>	Production
<b>Brand</b>	TDK



Size	
Length(L)	13.50mm ±0.50mm
Width(W)	12.20mm ±0.50mm
Thickness   Height	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	820nH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	36A (30% Down)
Rated Current (Temperature Rise) [Typ.]	12.6A (20°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	1.7mΩ
DC Resistance [Max.]	2mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 150°C
Soldering Method	Reflow
	Iron Soldering

! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

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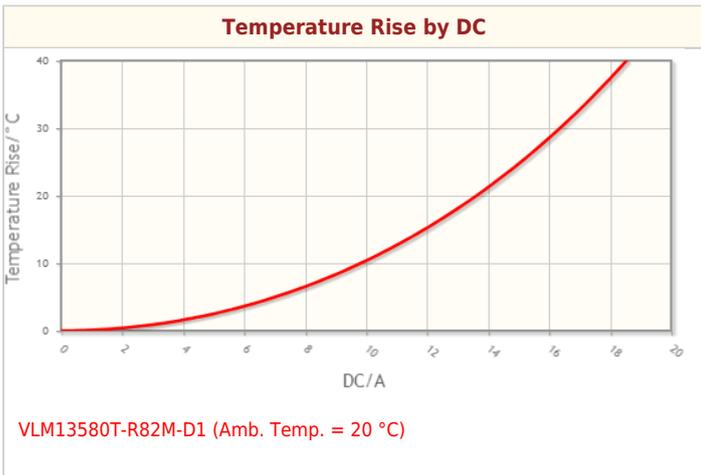
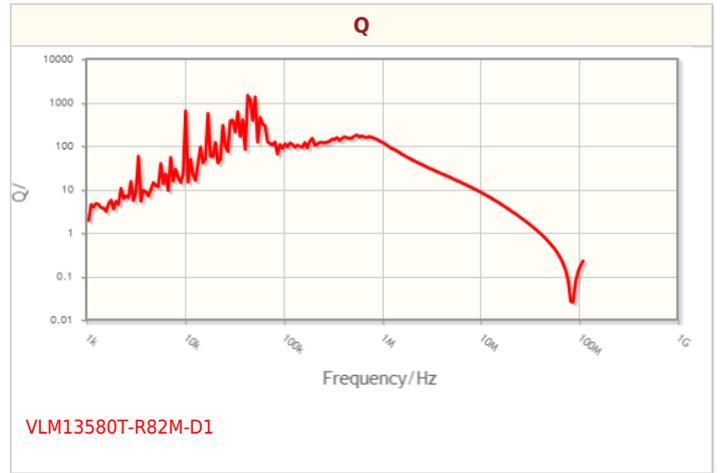
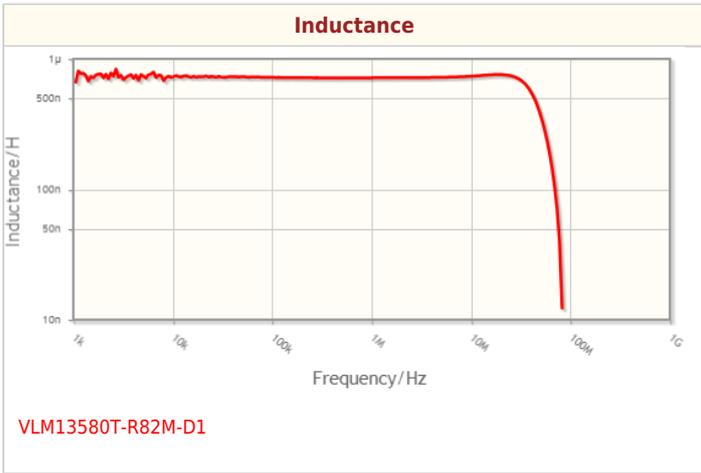
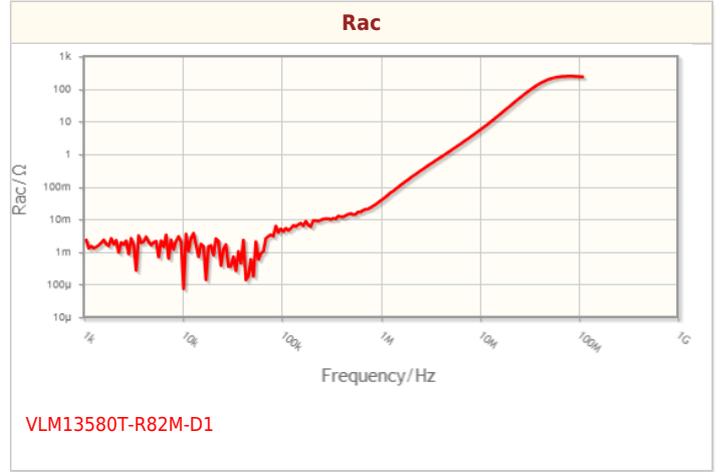
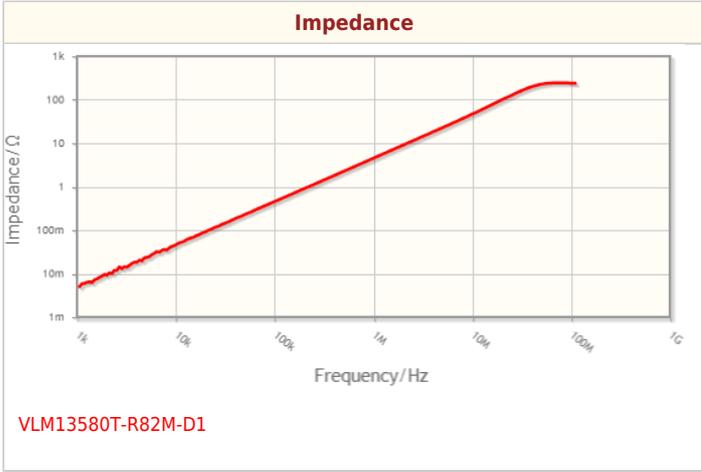
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [330mm Reel]
Package Quantity	400pcs
Weight	3.9g

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

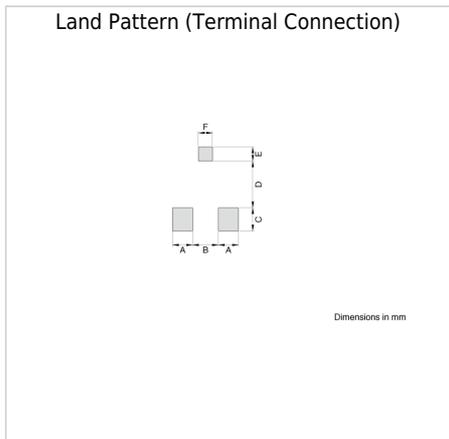


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## Associated Images



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