

Product Status	EOL Announced
	Recommended Alternate Part No. : VLS5045EX-101M-H (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.14, 2024
	Last Purchase Order Date : Mar.31, 2026
	Last Shipment Date : Dec.31, 2026
Applications	Automotive Grade
Feature	AEC-Q200 AEC-Q200
	Wire Wound Wire Wound
	Shield Magnetic Shield
	Ferrite CoreFerrite Core
Series Type	SLF-H
Brand	TDK
Environmental Compliance	RoHS REACH Lead Free



Size	
Length(L)	7.00mm ±0.20mm
Width(W)	7.00mm ±0.20mm
Thickness Height	4.50mm ±0.30mm
Recommended Land Pattern (A)	1.50mm Nom.
Recommended Land Pattern (B)	4.80mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	100μH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	600mA (10% Down)
Rated Current (Temperature Rise) [Typ.]	610mA (20°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	390mΩ
DC Resistance [Max.]	468mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

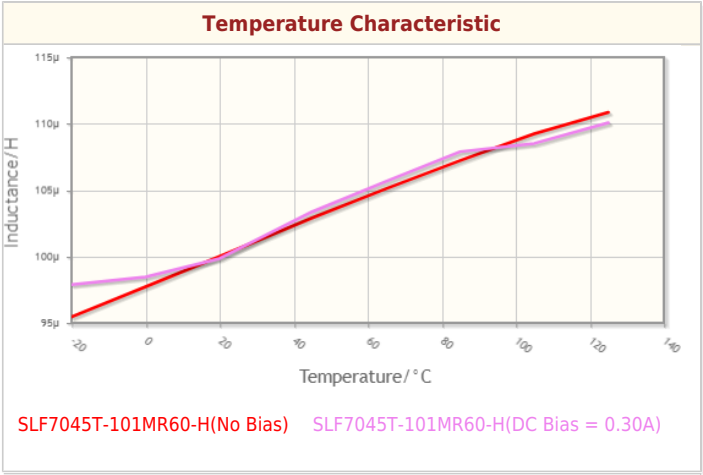
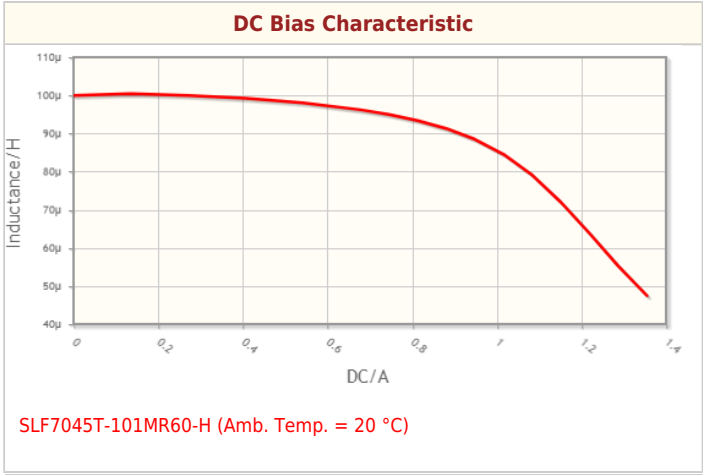
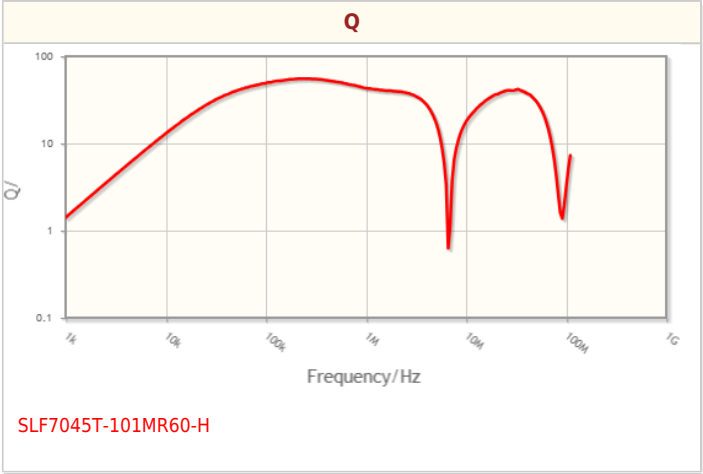
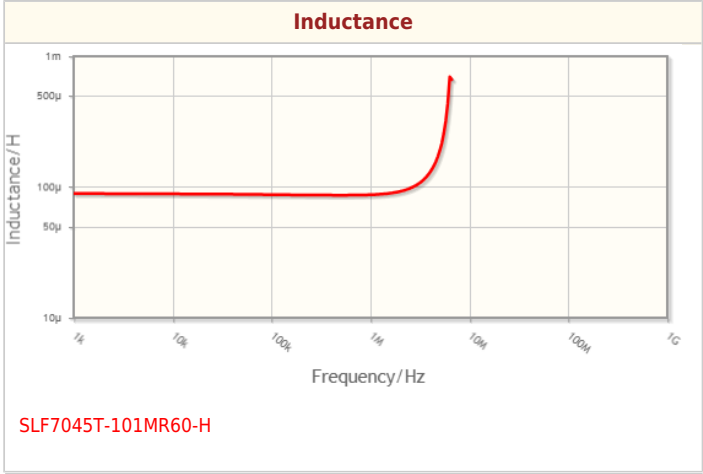
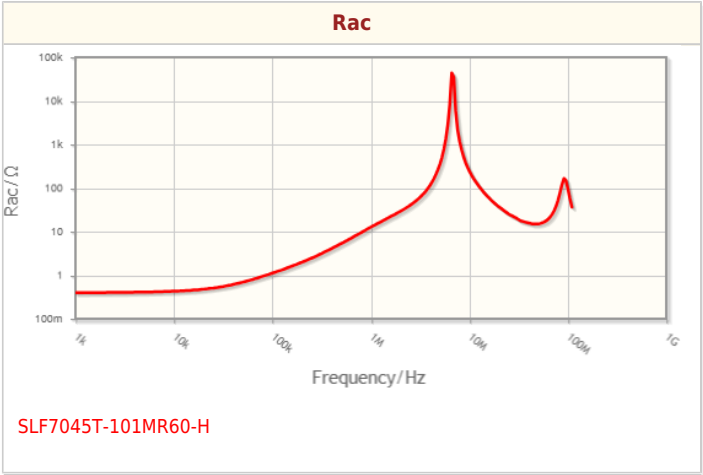
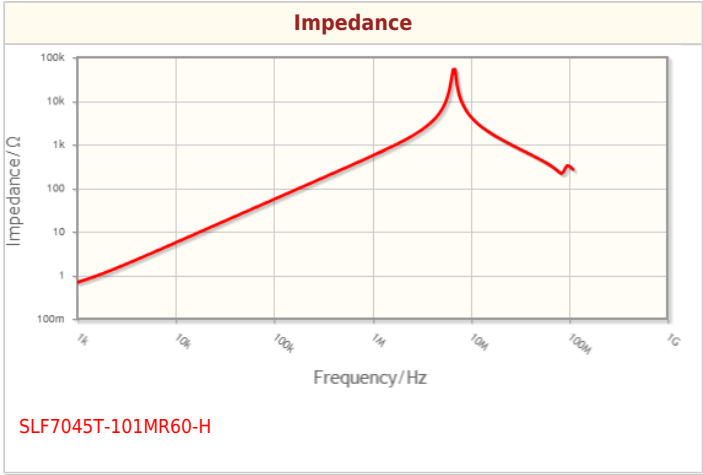
! Images are for reference only and show exemplary products.

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

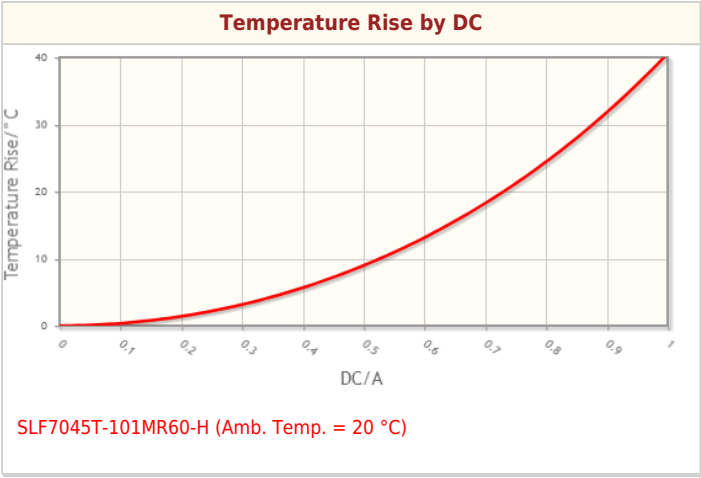
! All specifications are subject to change without notice.

Other	
Operating Temp. Range	-40 to 125°C (Including Self-Temp. Rise)
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [330mm Reel, Tape width 16mm]
Package Quantity	1000pcs
Weight	0.59g

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



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Associated Images

