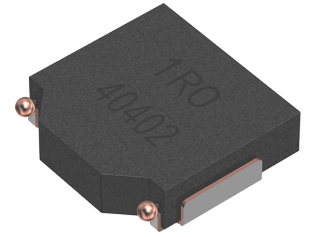


<b>Applications</b>	Commercial Grade
<b>Feature</b>	<span style="border: 1px solid red; padding: 2px;">Wire Wound</span> Wire Wound <span style="border: 1px solid green; padding: 2px;">Shield</span> Magnetic Shield <span style="border: 1px solid gray; padding: 2px;">Metal Core</span> Metal Core
<b>Series   Type</b>	SPM
<b>Status</b>	Production (Not Recommended for New Design) Recommended Alternate Part No. : <a href="#">SPM5015T-R47M-LR</a> (Interchangeability is not guaranteed.)
<b>Brand</b>	TDK



Size	
Length(L)	5.40mm ±0.20mm
Width(W)	5.10mm ±0.20mm
Thickness   Height	1.50mm Max.
Recommended Land Pattern (A)	1.40mm Nom.
Recommended Land Pattern (B)	3.00mm Nom.
Recommended Land Pattern (C)	2.50mm Nom.

Electrical Characteristics	
Inductance	470nH ±20% at 100kHz
Rated Current (L Change) [Typ.]	18.4A (30% Down)
Rated Current (L Change) [Max.]	13.8A (30% Down)
Rated Current (Temperature Rise) [Typ.]	7A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	16.3mΩ
DC Resistance [Max.]	17.9mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

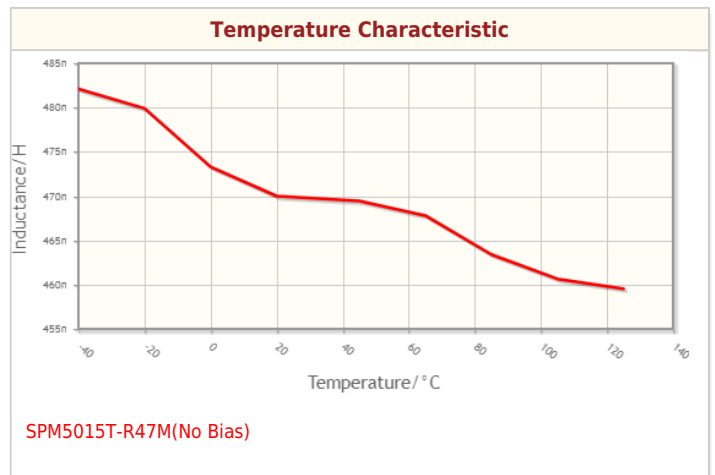
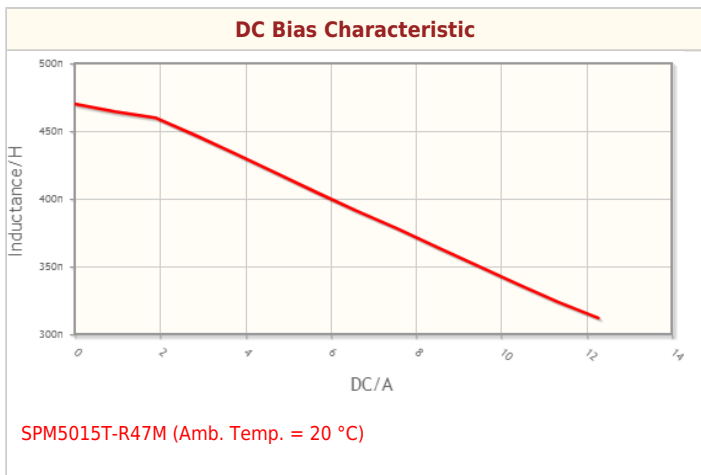
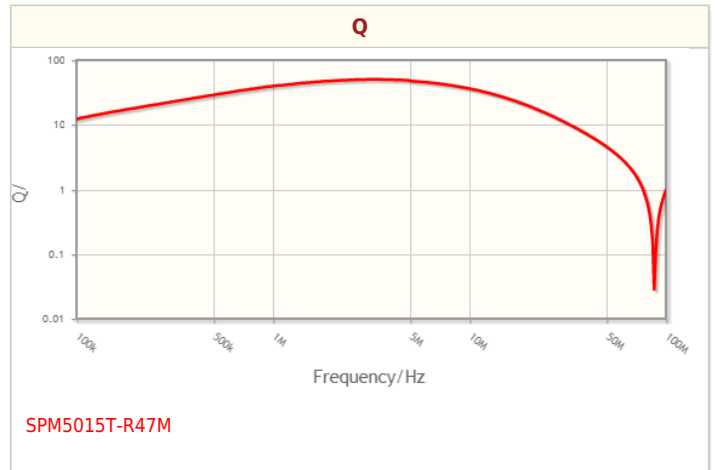
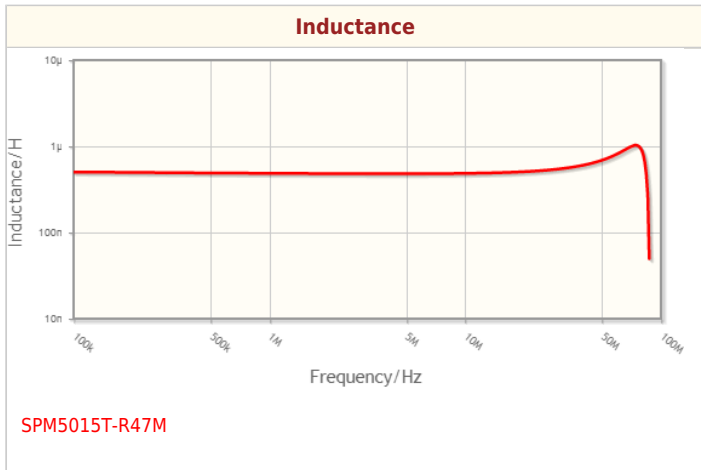
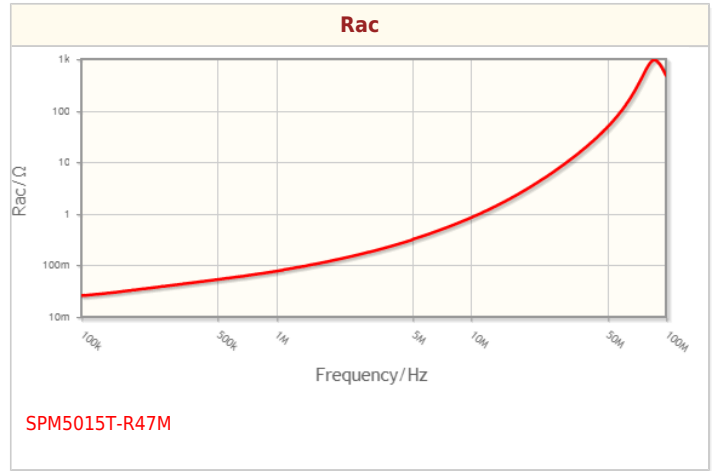
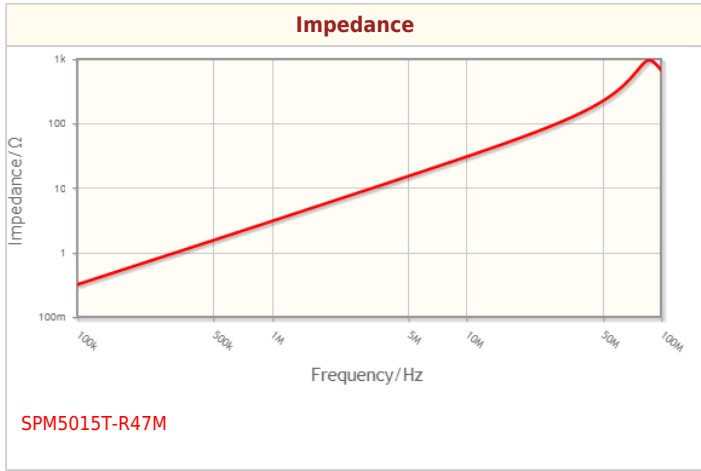
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel, Tape width 12mm]
Package Quantity	1000pcs
Weight	0.1901g

! Images are for reference only and show exemplary products.

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

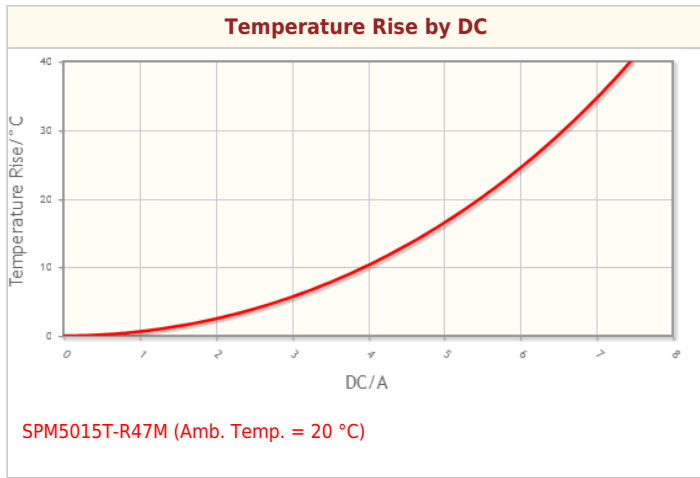
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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



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