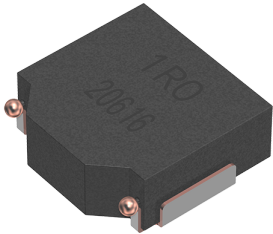


Product Status	Obsolete
	Recommended Alternate Part No. : SPM5020T-1R5M-LR (Interchangeability is not guaranteed.)
	Discontinue Issue Date : Jun.3, 2022
	Last Purchase Order Date : Sep.30, 2023
	Last Shipment Date : Mar.31, 2024
Applications	Commercial Grade
Feature	Wire WoundWire Wound
	ShieldMagnetic Shield
	Metal CoreMetal Core
Series Type	SPM
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



Size	
Length(L)	5.40mm ±0.20mm
Width(W)	5.10mm ±0.20mm
Thickness Height	2.00mm 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	1.5μH ±20% at 100kHz
Rated Current (L Change) [Typ.]	10.4A (30% Down)
Rated Current (L Change) [Max.]	7.8A (30% Down)
Rated Current (Temperature Rise) [Typ.]	5A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	30.4mΩ
DC Resistance [Max.]	33.4mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

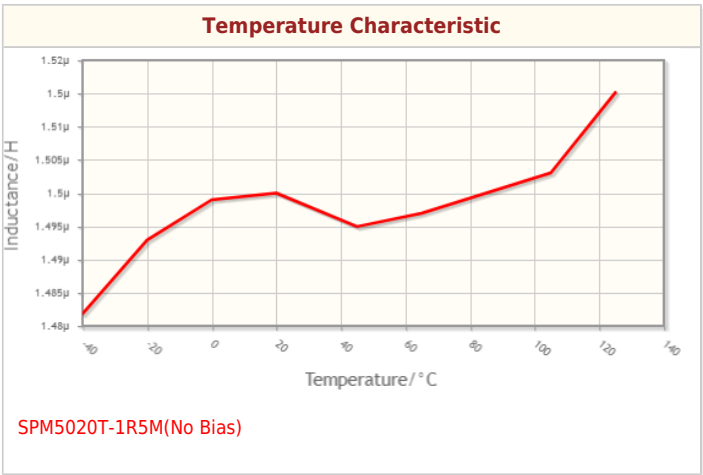
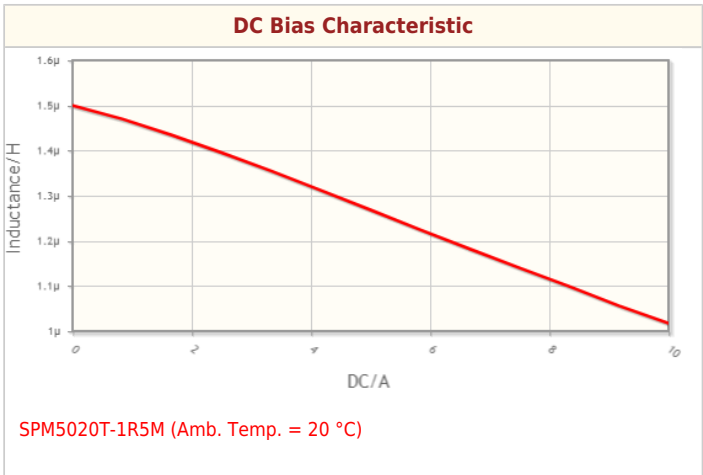
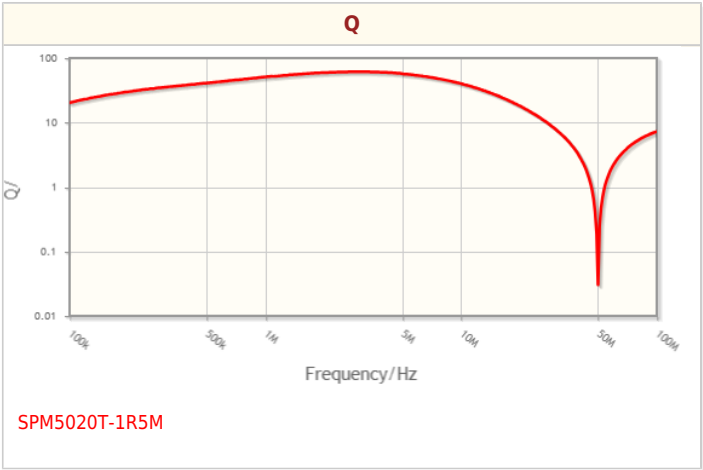
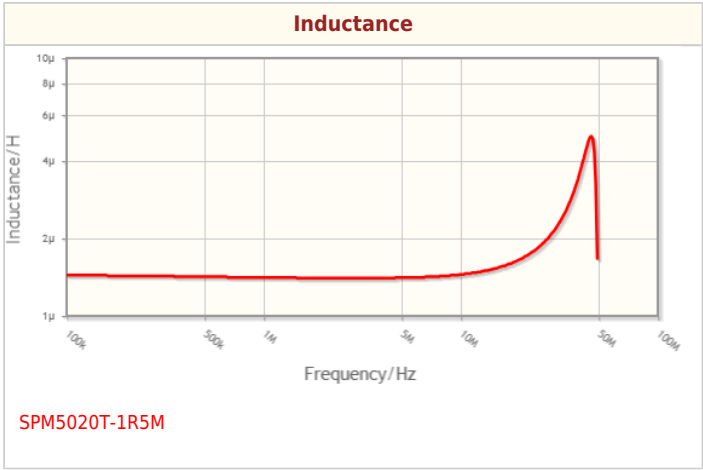
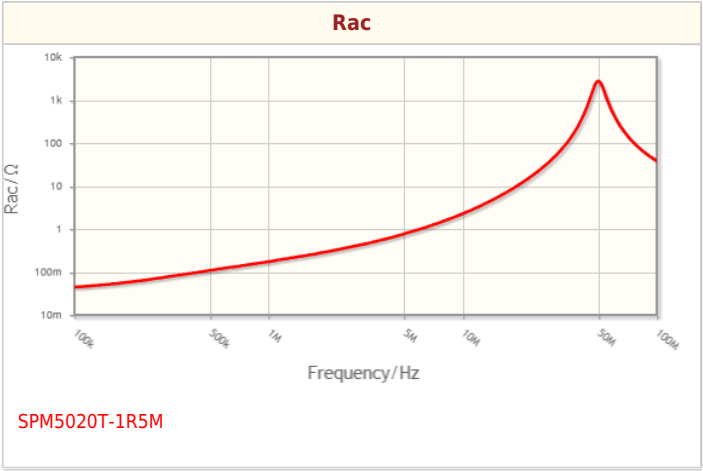
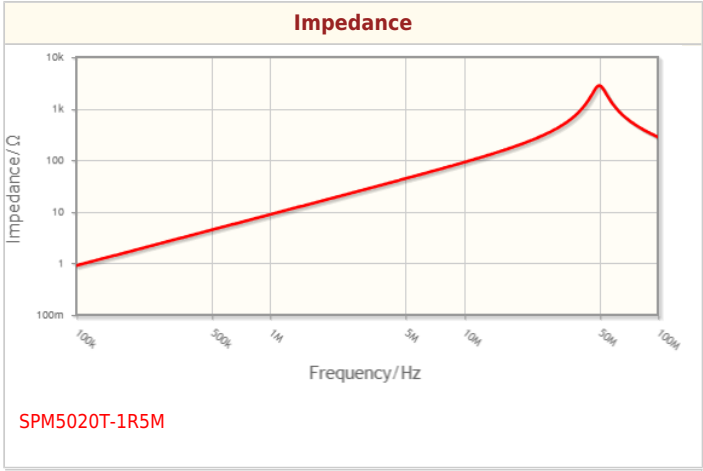
Other	
Operating Temp. Range	-40 to 125°C (Including Self-Temp. Rise)

! 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.

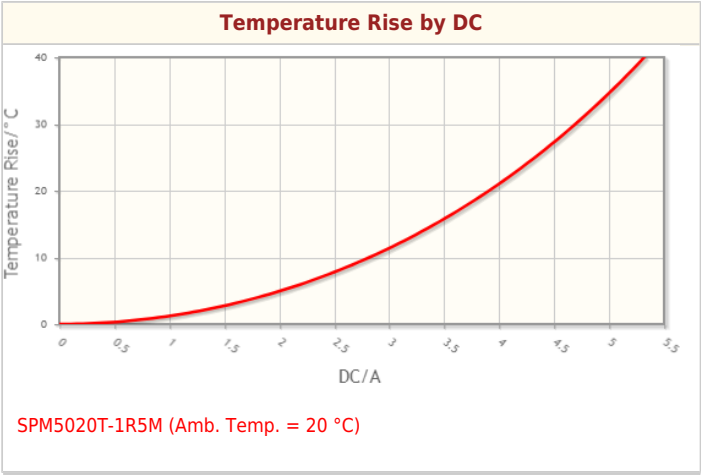
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel, Tape width 12mm]
Package Quantity	500pcs
Weight	0.2632g

SPM5020T-1R5M

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



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



Associated Images

