

Part Number	Inductance (μH) 100KHz、 1V	DCR (mΩ) ±20%	I _{dc} (A)	I _{sat} (A)	Test Frequency Min (MHz)
HTL-SPI5012F-1R0N	1.0±30%	57	2.00	4.40	1
HTL-SPI5012F-2R2N	2.2±30%	90	1.70	3.10	1
HTL-SPI5012F-3R3N	3.3±30%	126	1.40	2.40	1
HTL-SPI5012F-4R7M	4.7±20%	165	1.30	2.20	1
HTL-SPI5012F-6R8M	6.8±20%	245	1.00	1.70	1
HTL-SPI5012F-100M	10.0±20%	344	0.85	1.40	1
HTL-SPI5012F-150M	15.0±20%	436	0.80	1.20	1
HTL-SPI5020F-1R0N	1.0±30%	20	3.80	4.10	1
HTL-SPI5020F-2R2N	2.2±30%	32	2.90	3.20	1
HTL-SPI5020F-3R3N	3.3±30%	43	2.50	2.55	1
HTL-SPI5020F-4R7M	4.7±20%	57	2.20	2.50	1
HTL-SPI5020F-6R8M	6.8±20%	83	1.80	2.05	1
HTL-SPI5020F-100M	10.0±20%	110	1.55	1.70	1
HTL-SPI5020F-220M	22.0±20%	226	1.10	1.15	1
HTL-SPI5040F-1R0N	1.0±30%	12	4.90	7.35	1
HTL-SPI5040F-2R2N	2.2±30%	19	3.80	4.90	1
HTL-SPI5040F-3R3N	3.3±30%	24	3.40	3.95	1
HTL-SPI5040F-4R7M	4.7±20%	30	3.00	3.50	1
HTL-SPI5040F-6R8M	6.8±20%	43	2.50	2.90	1
HTL-SPI5040F-100M	10.0±20%	64	2.10	2.35	1
HTL-SPI5040F-200M	20.0±20%	129	1.50	1.60	1

※Note:

- All test data is reference to 25°C ambient.
- I_{sat}(A):DC current(I_{sat})that will cause L_o to drop.
approximately 30% Max
- I_{dc}2:DC current(I_{sat})that will cause an approximate ΔT of 40°C.
- Operate between temperature range:-50°C to +125°C

※ Regulation of Part number

HTL - SPI 5020 F - 2R2 N
① ② ③ ④ ⑤ ⑥

- ① Totline Inductor;
- ② Series Code;
- ③ Dimensions(unit:mm):5.0x5.0x2.0;
- ④ core Material;
- ⑤ Typical Inductance Value:2R2=2.2μH;
- ⑥ Tolerance:M=±20%,N=±30%;

※ Features

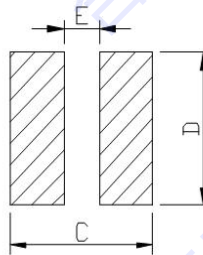
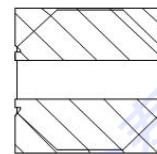
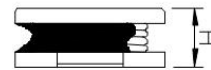
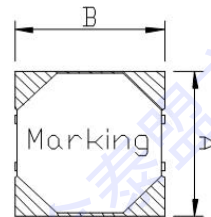
- Small and Low profile inductor;
- It corresponds to High current;
- Simple and Shield structure;
- Available tape and reel for auto insertion;
- Lead free products RoHS compliant;



※ Application

- For small DC/DC converter(cellular Phone, LCD/LED/OLED display,HDD,DSC etc);

※ Shapes And Dimensions (unit:mm)



Dimensions(mm)		Series
A	5.0±0.2	
B	5.0±0.2	
H	1.2 Max	5012
	2.0 Max	5020
	4.0 Max	5040
C	5.2 Typ	
D	5.2 Typ	
E	1.1 Typ	

Suggested pad layout
Dimensions are in mm