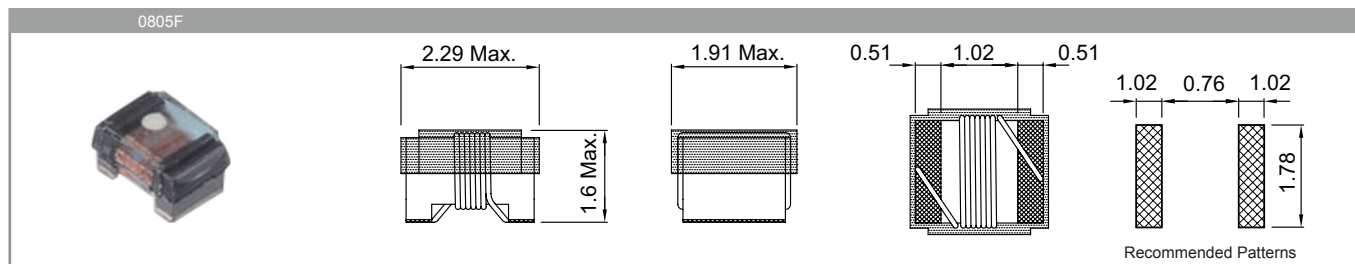


SMD WIRE WOUND FERRITE CHIP INDUCTORS

0805F Series

Mechanical Dimensions (Unit: mm)



Electrical Specification

Part Number.	Inductance (μH)	Inductance Tolerance	Test Freq. (MHz)	Q (Min)	Test Freq. (MHz)	SRF (GHz) Min	DCR (Ω) Max	I _{rms} (mA)	COLOR CODE
0805F-78N□-LRH	0.078	K,J	7.9	19	7.9	1.44	0.042	2000	BLACK
0805F-R11□-LRH	0.110	K,J	7.9	19	7.9	1.40	0.050	2000	BROWN
0805F-R18□-LRH	0.180	K,J	7.9	15	7.9	1.00	0.15	500	GRAY
0805F-R22□-LRH	0.220	K,J	7.9	15	7.9	1.00	0.15	500	VIOLET
0805F-R33□-LRH	0.330	K,J	7.9	15	7.9	0.862	0.25	300	WHITE
0805F-R39□-LRH	0.390	K,J	7.9	15	7.9	0.800	0.30	500	BLACK
0805F-R47□-LRH	0.470	K,J	7.9	19	7.9	0.500	0.31	720	RED
0805F-R56□-LRH	0.560	K,J	7.9	12	7.9	0.800	1.20	300	RED
0805F-R68□-LRH	0.680	K,J	7.9	20	7.9	0.400	0.46	590	ORANGE
0805F-R82□-LRH	0.820	K,J	7.9	12	7.9	0.600	1.00	300	YELLOW
0805F-1R0□-LRH	1.00	K,J	7.9	20	7.9	0.340	0.69	500	YELLOW
0805F-1R2□-LRH	1.20	K,J	7.9	15	7.9	0.400	0.75	800	BLACK
0805F-1R5□-LRH	1.50	K,J	7.9	20	7.9	0.275	0.83	490	GREEN
0805F-1R8□-LRH	1.80	K,J	7.9	20	7.9	0.246	1.15	410	BLUE
0805F-2R2□-LRH	2.20	K,J	7.9	20	7.9	0.106	1.28	365	VIOLET
0805F-2R7□-LRH	2.70	K,J	7.9	20	7.9	0.105	1.48	350	GRAY
0805F-3R3□-LRH	3.30	K,J	7.9	20	7.9	0.083	1.57	330	WHITE
0805F-3R9□-LRH	3.90	K,J	7.9	20	7.9	0.052	1.70	300	BLACK
0805F-4R7□-LRH	4.70	K,J	7.9	20	7.9	0.050	1.87	280	BROWN
0805F-5R6□-LRH	5.60	K,J	7.9	20	7.9	0.090	2.00	340	BLUE
0805F-6R8□-LRH	6.80	K,J	7.9	20	7.9	0.035	2.25	260	RED
0805F-8R2□-LRH	8.20	K,J	2.5	18	2.5	0.027	2.55	250	ORANGE
0805F-100□-LRH	10.0	K,J	2.5	18	2.5	0.021	3.45	200	YELLOW
0805F-120□-LRH	12.0	K,J	2.5	18	2.5	0.037	3.80	220	BROWN
0805F-150□-LRH	15.0	K,J	2.5	18	2.5	0.017	5.03	180	GREEN
0805F-180□-LRH	18.0	K,J	2.5	18	2.5	0.023	4.48	180	ORANGE
0805F-220□-LRH	22.0	K,J	2.5	18	2.5	0.013	6.18	150	BLUE
0805F-270□-LRH	27.0	K,J	2.5	15	2.5	0.011	11.04	120	VIOLET

a. Tolerance : K=±10% ; J=±5%

b. Operating Temp : -40°C to +85°C

c. For 15°C Temperature Rise.

d. Inductance & Q measured using the HP4291B.

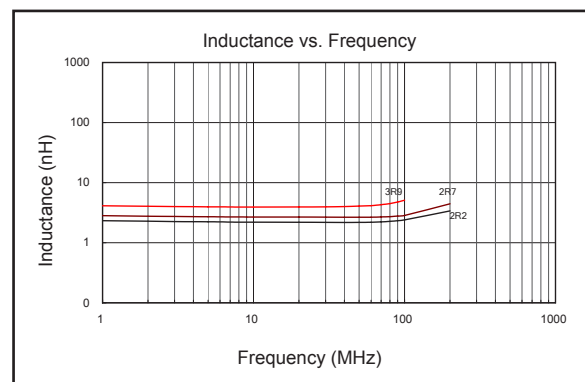
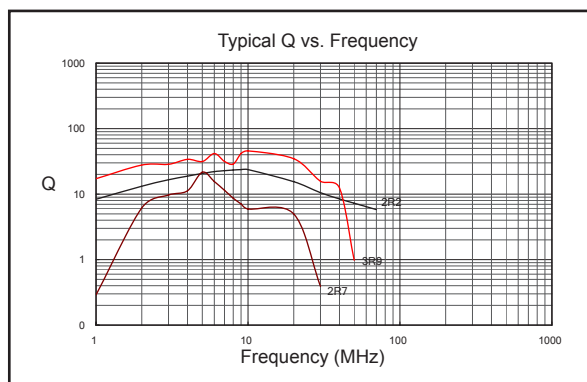
e. SRF measured using the HP8753E, or HP8720D .

f. DCR measured using the 16502 milli-ohm meter.

g. Unspecified values available on request.

Characteristic Curve

• 0805F



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