

## A. Electrical Specifications:

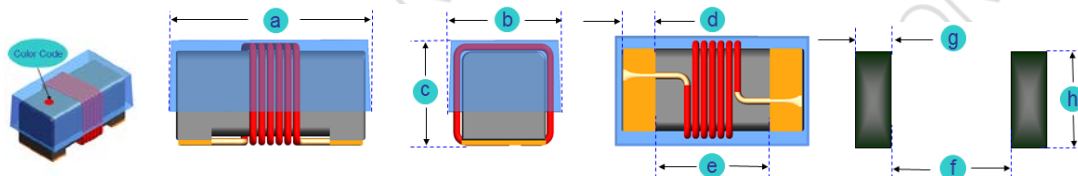
P/N	L (uH)	L Test Freq. (MHz)	Tol.	Q Min.	Q Test Freq. (MHz)	SRF Min. (GHz)	DCR Max. (Ω)	I rms. Max.(mA)	Color code
0805F-78N	0.078	7.9	K, J	19	7.9	1.44	0.042	2000	Black
0805F-R11	0.110	7.9	K, J	19	7.9	1.40	0.050	2000	Brown
0805F-R18	0.180	7.9	K, J	15	7.9	1.00	0.15	500	Gray
0805F-R22	0.220	7.9	K, J	15	7.9	1.00	0.15	500	Violet
0805F-R33	0.330	7.9	K, J	15	7.9	0.862	0.25	300	White
0805F-R39	0.390	7.9	K, J	15	7.9	0.800	0.30	500	Black
0805F-R47	0.470	7.9	K, J	19	7.9	0.500	0.31	720	Red
0805F-R56	0.560	7.9	K, J	12	7.9	0.800	1.20	300	Red
0805F-R68	0.680	7.9	K, J	20	7.9	0.400	0.46	590	Orange
0805F-R82	0.820	7.9	K, J	12	7.9	0.600	1.00	300	Yellow
0805F-1R0	1.00	7.9	K, J	20	7.9	0.340	0.69	500	Yellow
0805F-1R2	1.20	7.9	K, J	15	7.9	0.400	0.75	800	Black
0805F-1R5	1.50	7.9	K, J	20	7.9	0.275	0.83	490	Green
0805F-1R8	1.80	7.9	K, J	20	7.9	0.246	1.15	410	Blue
0805F-2R2	2.20	7.9	K, J	20	7.9	0.106	1.28	365	Violet
0805F-2R7	2.70	7.9	K, J	20	7.9	0.105	1.48	350	Gray
0805F-3R3	3.30	7.9	K, J	20	7.9	0.083	1.57	330	White
0805F-3R9	3.90	7.9	K, J	20	7.9	0.052	1.70	300	Black
0805F-4R7	4.70	7.9	K, J	20	7.9	0.050	1.87	280	Brown
0805F-5R6	5.60	7.9	K, J	20	7.9	0.090	2.00	340	Blue
0805F-6R8	6.80	7.9	K, J	20	7.9	0.035	2.25	260	Red
0805F-8R2	8.20	2.5	K, J	18	2.5	0.027	2.55	250	Orange
0805F-100	10.0	2.5	K, J	18	2.5	0.021	3.45	200	Yellow
0805F-120	12.0	2.5	K, J	18	2.5	0.037	3.80	220	Brown
0805F-150	15.0	2.5	K, J	18	2.5	0.017	5.03	180	Green
0805F-180	18.0	2.5	K, J	18	2.5	0.023	4.48	180	Orange
0805F-220	22.0	2.5	K, J	18	2.5	0.013	6.18	150	Blue
0805F-270	27.0	2.5	K, J	15	2.5	0.011	11.04	120	Violet

Note: 1. 0805F-xxx : “0805F” = Size Type, “xxx” = Inductance, “\_” = Tolerance, K= ± 10%, J= ±5%.

2. 0805F has first inductance color code only.

## B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h
0805F	2.29 (0.090)	1.91 (0.075)	1.6 (0.063)	0.51 (0.020)	1.02 (0.040)	0.76 (0.030)	1.02 (0.040)	1.78 (0.070)
Tol.	Max.	Max.	Max.	Typ.	Typ.	Typ.	Typ.	Typ.



## C. General Information:

1. P/N: 0805F-xxx : “0805F” = Type, “xxx” = Inductance, “\_” = Tolerance.
2. Tolerance “\_”: K: ± 10%, J: ± 5%
3. Small and lightweight surface mounting type
4. High Q at high frequency
5. High self-resonance frequency
6. For 15°C Temperature Rise
7. Inductance & Q measured with HP4291B Impedance Analyzer
8. SRF measured with HP8720D or HP8753E Network Analyzer
9. DCR measured with 16502 milliohm meter
10. Operating temperature: -40°C to +85°C
11. Inductance and Current Range: From 0.078 uH (2000mA) to 27 uH (120mA)
12. SRF: From 11 MHz to 1440 MHz
13. Unspecified values available on request.
14. MSL: Level 1.



**D. Applications:**

- 1. Game Consoles
- 2. Set Top Boxes
- 3. Cables Modems
- 4. Computers
- 5. Mobile Communication Devices (Cell Phones, Radios, etc.)

**E. Characteristics Curve:**

