

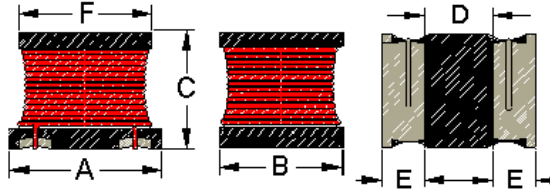


## A. Electrical Specifications:

Part No.	Mark	L (uH)	Tolerance	Test Freq. (@ 0.1V rms.)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Max. (mA)
1210SDF-1R0_	1R0	1.0	M	1.0 MHz	96.0	0.078	1000
1210SDF-2R2_	2R2	2.2	M	1.0 MHz	64.0	0.126	790
1210SDF-3R3_	3R3	3.3	M	1.0 MHz	50.0	0.165	500
1210SDF-4R7_	4R7	4.7	M	1.0 MHz	43.0	0.195	450
1210SDF-6R8_	6R8	6.8	M	1.0 MHz	36.0	0.330	400
1210SDF-100_	100	10	M	1.0 MHz	26.0	0.572	300
1210SDF-220_	220	22	M, K	1.0 MHz	19.0	0.923	250
1210SDF-470_	470	47	M, K	1.0 MHz	12.0	1.69	170
1210SDF-101_	101	100	K, J	1.0 MHz	8.0	4.55	100
1210SDF-151_	151	150	K, J	1.0 MHz	7.0	9.10	80
1210SDF-221_	221	220	K, J	1.0 MHz	5.5	10.92	70
1210SDF-331_	331	330	K, J	1.0 MHz	4.5	13.00	60
1210SDF-391_	391	390	K, J	1.0 MHz	4.0	22.10	60
1210SDF-471_	471	470	K, J	1.0 MHz	3.7	24.70	60
1210SDF-561_	561	560	K, J	1.0 MHz	3.4	28.60	60

## B. Dimensions: mm (Inch)

SERIES	A	B	C	D	E	F	Type
1210SDF	3.2 (0.126)	2.5 (0.098)	2.0 (0.079)	1.3 (0.051)	0.9 (0.035)	2.3 (0.091)	2
Tol	± 0.30 (0.012)	± 0.20 (0.008)	± 0.25 (0.010)	± 0.20 (0.008)	± 0.30 (0.012)	Ref.	



Type 2

## C. General Information:

1. P/N: 1210SDF-xxx\_ : “1210SDF” = Type, “xxx” = Inductance, “\_” = Tolerance.
2. Tolerance “\_” : J = ± 5%, K = ± 10%, M = ± 20%.
3. Operating temperature: -40°C to +85°C.
4. Electrical specifications at +25°C.
5. Inductance measured on the HP4284A LCR meter.
6. DCR measured on the 502BC milli-ohm meter.
7. Inductance drops no more than 10% at rated I sat.
8. Temperature rises  $\Delta t < 15^\circ\text{C}$  (typical) at rated I rms.
9. Inductance and Current Range: From 1.0 uH (1000 mA) to 560 uH (60 mA)
10. SRF: From 3.4 MHz to 96 MHz
11. Suitable for IR re-flows soldering.
12. Tape and reel packing.
13. MSL: Level 1.

## D. Applications:

1. Power supply line chokes.
2. DC-DC Converters.
3. Notebooks.
4. Filters.
5. Telecommunication devices.