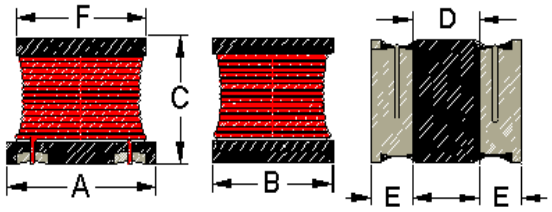
A. Electrical Specifications:

Part No.	Mark	L (uH)	Tolerance	Test Freq.	SRF TYP. (MHz)	DCR Max. (Ω)	IDC Max. (A)
1812SDF-1R0_	1R0	1.00	M	1.0 KHz	100	0.08	1.080
1812SDF-1R5_	1R5	1.50	M	1.0 KHz	85.0	0.09	1.000
1812SDF-2R2_	2R2	2.20	M	1.0 KHz	60.0	0.11	0.900
1812SDF-3R3_	3R3	3.30	M	1.0 KHz	47.0	0.13	0.800
1812SDF-4R7_	4R7	4.70	M, K	1.0 KHz	35.0	0.15	0.750
1812SDF-6R8_	6R8	6.80	M, K	1.0 KHz	30.0	0.20	0.720
1812SDF-100_	100	10.0	K, J	1.0 KHz	23.0	0.24	0.650
1812SDF-150_	150	15.0	K, J	1.0 KHz	20.0	0.32	0.570
1812SDF-220_	220	22.0	K, J	1.0 KHz	15.0	0.60	0.420
1812SDF-330_	330	33.0	K, J	1.0 KHz	12.0	1.00	0.310
1812SDF-470_	470	47.0	K, J	1.0 KHz	10.0	1.10	0.280
1812SDF-680_	680	68.0	K, J	1.0 KHz	8.4	1.07	0.220
1812SDF-101_	101	100	K, J	1.0 KHz	6.8	2.20	0.190
1812SDF-151_	151	150	K, J	1.0 KHz	5.5	3.50	0.130
1812SDF-221_	221	220	K, J	1.0 KHz	4.5	4.00	0.110
1812SDF-331_	331	330	K, J	1.0 KHz	3.6	6.80	0.100
1812SDF-471_	471	470	K, J	1.0 KHz	3.0	8.50	0.090

B. Dimensions: mm (Inch)

SERIES	A	B	C	D	E	F	Type
1812SDF	4.5 (0.177)	3.2 (0.126)	2.6 (0.102)	1.0 (0.039)	1.0 (0.039)	4.0 (0.157)	2
Tol	± 0.30 (0.012)	± 0.30 (0.012)	± 0.30 (0.012)	Min.	Min.	Ref.	



Type 2

B. General Information:

1. P/N: 1812SDF-xxx_: "1812SDF" = Type, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_" : J = ± 5%, K = ± 10%, M = ± 20%.
3. Operating temperature: -25ºC to +85ºC.
4. Electrical specifications at +25ºC.
5. Inductance measured on the HP4284A LCR meter
6. DCR measured on the 502BC milli-ohm meter.
7. I DC: Inductance drops no more than 10% at rated current or the $\Delta t \leq 40$ºC.
8. Temperature rise $\Delta t < 40$ºC (Typical) at rated current and room temperature 20ºC.
9. Inductance and Current Range: From 1.0 uH (1080 mA) to 470 uH (90 mA)
10. SRF: From 3.0 MHz to 100 MHz
11. Tape and reel packing.
12. Suitable for IR re-flows soldering.
13. MSL: Level 1.

C. Applications:

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

667 E. Cochran St., Simi Valley, CA 93065
Phone: 1-805-522-9998, Fax: 1-805-522-9989