

# Conformal Coated RF Chokes

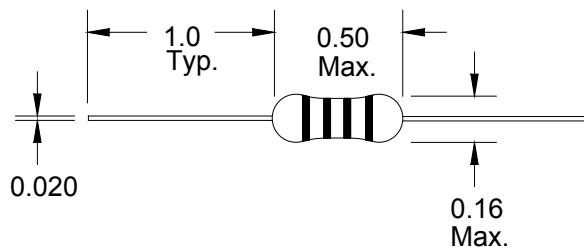
## Special Features

- High current, high self resonant frequency
- Low DCR
- Ferrite bobbin core
- Epoxy coated to protect winding from harsh environments
- Low cost
- Color bands identification (Indicates Inductance Value)
- Dielectric strength 500Vrms
- Operating temperature -55 to +105°C
- Test frequency : 1KHz, except 1.0 – 8.2uH @ 7.96MHz

## Notes

\* Saturation current to cause 5% maximum inductance drop

\*\* Rated current to cause 35°C maximum temperature rise



Dimensions: Inches

5300 Series					
Part Number	L (μH) ±10%	SRF (MHz) Min.	DCR Ω Max.	I sat.* (mA)	I rated** (mA)
5300-01	1.0	190	0.018	3000	3300
5300-02	1.2	170	0.019	2700	3200
5300-03	1.5	160	0.020	2500	3100
5300-04	1.8	150	0.023	2100	2900
5300-05	2.2	130	0.031	2000	2600
5300-06	2.7	120	0.033	1900	2500
5300-07	3.3	110	0.054	1700	1900
5300-08	3.9	100	0.060	1500	1800
5300-09	4.7	86	0.068	1400	1700
5300-10	5.6	64	0.074	1300	1600
5300-11	6.8	44	0.080	1200	1600
5300-12	8.2	32	0.087	1100	1500
5300-13	10	25	0.095	970	1500
5300-14	12	17	0.11	880	1400
5300-15	15	13	0.15	790	1200
5300-16	18	10	0.16	710	1100
5300-17	22	8.4	0.19	640	1000
5300-18	27	8.0	0.22	580	950
5300-19	33	7.6	0.24	530	910
5300-20	39	7.1	0.26	480	880
5300-21	47	6.0	0.35	430	760
5300-22	56	5.8	0.47	400	650
5300-23	68	4.3	0.53	370	610
5300-24	82	4.1	0.60	330	580
5300-25	100	3.9	0.67	300	550
5300-26	120	3.6	0.90	270	470
5300-27	150	3.2	1.2	250	410
5300-28	180	2.8	1.4	220	380
5300-29	220	2.3	1.9	200	320
5300-30	270	2.1	2.1	180	310
5300-31	330	1.9	2.4	170	290
5300-32	390	1.7	3.0	150	260
5300-33	470	1.4	3.4	140	240
5300-34	560	1.3	4.7	130	210
5300-35	680	1.2	6.4	110	180
5300-36	820	1.1	7.1	100	170
5300-37	1000	1.0	7.9	95	160
5300-38	1200	0.94	9.0	87	150
5300-39	1500	0.76	12.0	78	130
5300-40	1800	0.72	14.0	71	120
5300-41	2200	0.64	19.0	64	100
5300-42	2700	0.56	25.0	58	90
5300-43	3300	0.53	29.0	52	83
5300-44	3900	0.48	34.0	48	77
5300-45	4700	0.45	37.0	44	74
5300-46	5600	0.40	50.0	40	63
5300-47	6800	0.36	58.0	36	59
5300-48	8200	0.29	68.0	33	54
5300-49	10,000	0.27	75.0	30	52

Also available as RoHS compliant.

**J.W. Miller**  
MAGNETICS

306 E. Alondra Blvd. Gardena, CA 90247-1059 • Phone (310) 515-1720 • FAX (310) 515-1962

www.jwmiller.com