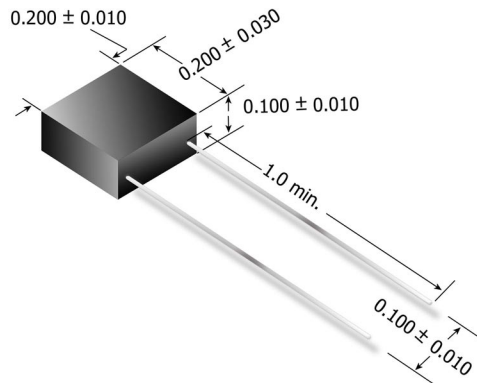


C22000 Series

Molded Subminiature RF Inductors

MS21422



GENERAL SPECIFICATIONS

For application in printed circuits and modules.

- Moisture and shock resistant, immersion proof.
- The low external magnetic field of the toroid permits tighter packaging of units than with other inductive devices.
- Maximum operating temperature: 125°C
- Rated temperature rise (at 90°C): 35°C
- Dielectric with standing voltage: 700v rms
- Terminal pull: 5 pounds
- Altitude rating: 70,000 feet
- Overload current: 1.4 times the rated current

SPECIFICATIONS

- Frequency range: 1 to 50 MHz
- Inductance tolerances: 0.10 to 0.82 uH, ±10%; 1.0 to 10 uH, ± 10%; (closer tolerances on request.
- Maximum dissipation: 1/5-watt.
- Inductance TC: + 20 ppm/°C nominal; +50 ppm/°C max.
- Leads: tin-lead coated copper wire.

C/ACM P/N	Inductance (μH)	Test frequency MHz	Q (min)	Self resonant frequency (min) MHz	DC Resistance (max) ohms	Rated dc current (max) mA
C22001	.10 ± 10%	25	55	450	.04	2200
C22002	.12 ± 10%	25	65	400	.05	2000
C22003	.15 ± 10%	25	60	350	.06	1800
C22004	.18 ± 10%	25	60	320	.07	1600
C22005	.22 ± 10%	25	65	300	.08	1500
C22006	.27 ± 10%	25	65	280	.10	1400
C22007	.33 ± 10%	25	65	260	.11	1300
C22008	.39 ± 10%	25	65	240	.14	1200
C22009	.47 ± 10%	25	65	220	.17	1100
C22010	.56 ± 10%	25	70	200	.22	1000
C22011	.68 ± 10%	25	70	180	.27	900
C22012	.82 ± 10%	25	70	160	.30	800
C22013	1.0 ± 5%	7.9	70	150	.35	750
C22014	1.2 ± 5%	7.9	60	130	.40	700
C22015	1.5 ± 5%	7.9	60	120	.50	630
C22016	1.8 ± 5%	7.9	60	110	.70	530
C22017	2.2 ± 5%	7.9	60	100	.90	470
C22018	2.7 ± 5%	7.9	60	90	1.1	420
C22019	3.3 ± 5%	7.9	60	70	1.3	390
C22020	3.9 ± 5%	7.9	60	60	1.5	360
C22021	4.7 ± 5%	7.9	60	50	1.8	330
C22022	5.6 ± 5%	7.9	60	45	2.0	310
C22023	6.8 ± 5%	7.9	60	40	2.2	300
C22024	8.2 ± 5%	7.9	60	37	2.4	290
C22025	10.0 ± 5%	7.9	60	35	2.6	280



COAST / ADVANCED CHIP MAGNETICS

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