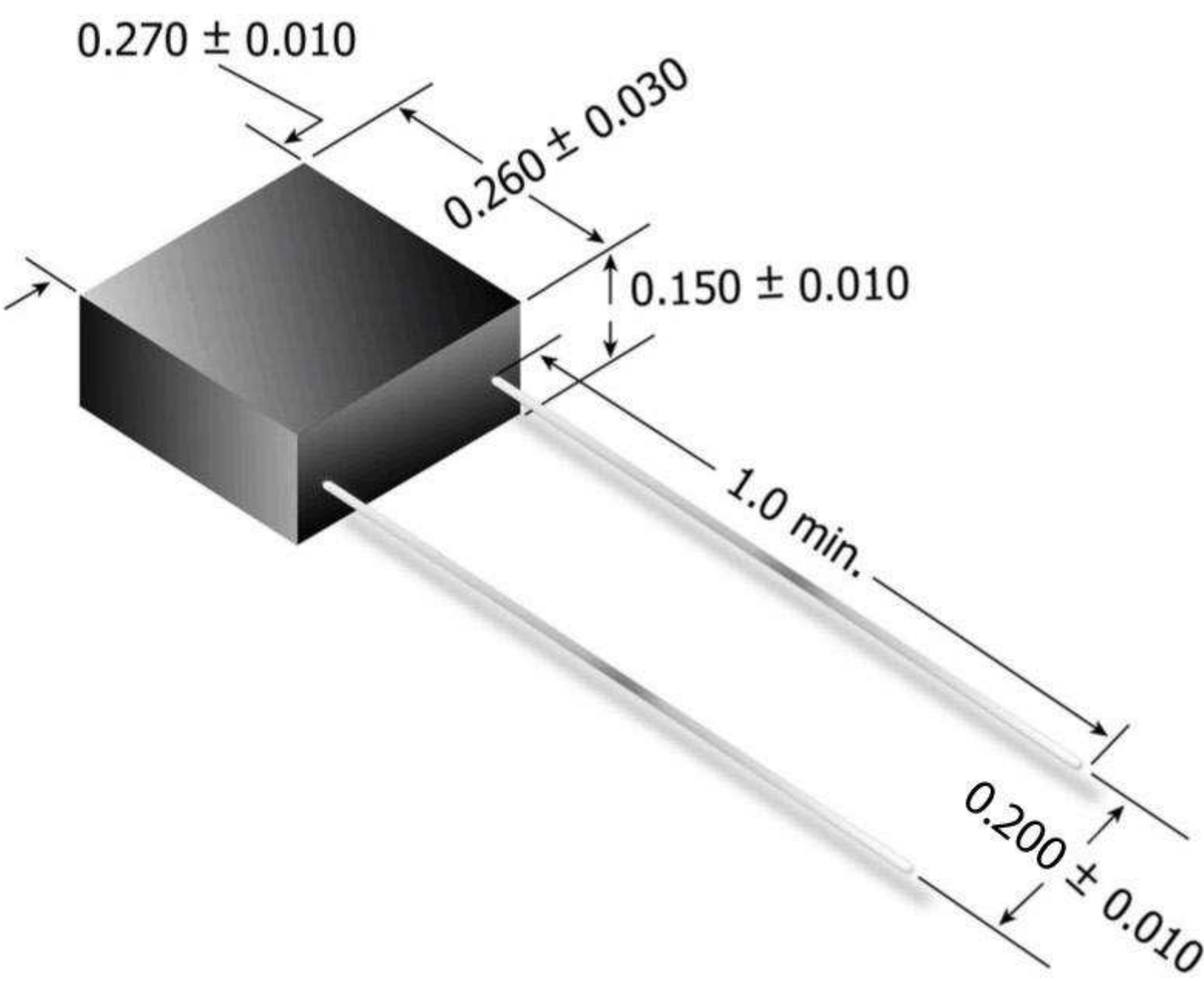


C24000 Series

Molded Subminiature RF Inductors

MS21424



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 ±5% (μH)	Test frequency MHz	Q (min)	Self resonant frequency (min) MHz	DC Resistance (max) ohms	Rated dc current (max) mA
C24001	10	2.5	75	35	1.1	550
C24002	12	2.5	75	31	1.3	500
C24003	15	2.5	75	27	1.5	450
C24004	18	2.5	80	24	1.9	410
C24005	22	2.5	80	22	2.3	380
C24006	27	2.5	80	20	2.7	350
C24007	33	2.5	80	18	3.3	320
C24008	39	2.5	80	16	3.9	290
C24009	47	2.5	80	14	4.7	260
C24010	56	2.5	80	12	5.6	240
C24011	68	2.5	80	11	6.8	220
C24012	82	2.5	80	10	8.1	200
C24013	100	2.5	80	9.1	9.7	180
C24014	120	.79	45	8.2	12	160
C24015	150	.79	45	7.3	14	150
C24016	180	.79	45	6.4	17	140
C24017	220	.79	50	5.6	20	130
C24018	270	.79	55	5.0	24	120
C24019	330	.79	55	4.4	19	130
C24020	390	.79	55	3.9	22	120
C24021	470	.79	55	3.5	27	110
C24022	560	.79	55	3.1	32	100
C24023	680	.79	55	2.8	19	130
C24024	820	.79	50	2.5	23	120
C24025	1000	.79	50	2.2	27	110

