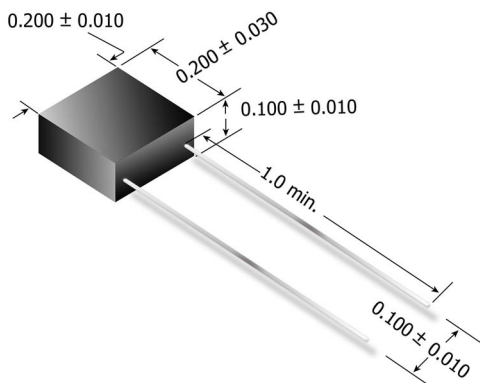


C23000 Series

Molded Subminiature RF Inductors

MS21423



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: 25 to 150 MHz
- Inductance tolerances: 0.01 to 0.082 uH, ±20%; 0.10 to 1.0 uH, ± 10%; (closer tolerances on request.)
- Maximum dissipation: 1/5-watt
- Inductance TC: + 150 ppm/°C nominal; +200 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
C23001	.01 ± 20%	150	60	1000	.02	3000
C23002	.012 ± 20%	150	60	1000	.02	3000
C23003	.015 ± 20%	150	60	1000	.02	3000
C23004	.018 ± 20%	150	60	1000	.02	3000
C23005	.022 ± 20%	100	60	900	.02	3000
C23006	.027 ± 20%	100	60	800	.02	3000
C23007	.033 ± 20%	100	60	750	.02	3000
C23008	.039 ± 20%	100	60	700	.02	3000
C23009	.047 ± 20%	100	60	650	.02	3000
C23010	.056 ± 20%	100	60	600	.02	3000
C23011	.068 ± 20%	100	60	550	.03	2500
C23012	.82 ± 20%	100	60	500	.04	2200
C23013	.10 ± 10%	50	80	450	.04	2200
C23014	.12 ± 10%	50	80	400	.05	2000
C23015	.15 ± 10%	50	80	350	.06	1800
C23016	.18 ± 10%	50	80	320	.07	1600
C23017	.22 ± 10%	50	80	300	.08	1500
C23018	.27 ± 10%	50	80	280	.10	1400
C23019	.33 ± 10%	50	80	260	.12	1300
C23020	.39 ± 10%	50	80	240	.15	1150
C23021	.47 ± 10%	50	80	220	.20	1000
C23022	.56 ± 10%	50	70	200	.25	900
C23023	.68 ± 10%	50	70	180	.30	800
C23024	.82 ± 10%	50	70	160	.35	750
C23025	1.0 ± 10%	50	70	150	.40	700



COAST / ADVANCED CHIP MAGNETICS

4225 Spencer Street. Torrance CA 90503 • Phone: 310-370-8188 • Fax: 310-370-8388
 Web: <http://www.coastacm.com> • Email: sales@coastacm.com