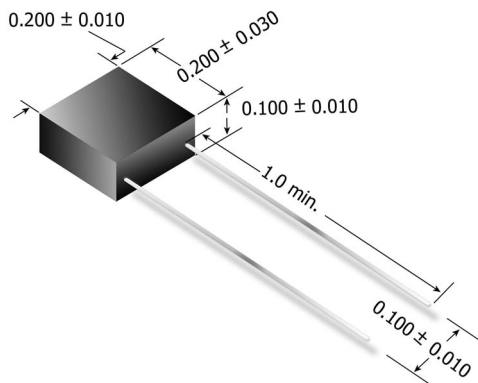


22000 Series

Molded Subminiature RF Inductors

MS21422



GENERAL SPECIFICATIONS

For application in printed circuits and modules.

- Moisture and shock resistant, immersion proof.
- Designed to meet MIL-C-15305, Grade 1, Class B, toroids will operate at any temperature from -55° to + 125°C.
- 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.

MIL Dash no.	Type designation	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
01	LT4K496	22001	.10 ± 10%	25	55	450	.04	2200
02	LT4K497	22002	.12 ± 10%	25	65	400	.05	2000
03	LT4K498	22003	.15 ± 10%	25	60	350	.06	1800
04	LT4K499	22004	.18 ± 10%	25	60	320	.07	1600
05	LT4K500	22005	.22 ± 10%	25	65	300	.08	1500
06	LT4K501	22006	.27 ± 10%	25	65	280	.10	1400
07	LT4K502	22007	.33 ± 10%	25	65	260	.11	1300
08	LT4K503	22008	.39 ± 10%	25	65	240	.14	1200
09	LT4K504	22009	.47 ± 10%	25	65	220	.17	1100
10	LT4K505	22010	.56 ± 10%	25	70	200	.22	1000
11	LT4K506	22011	.68 ± 10%	25	70	180	.27	900
12	LT4K507	22012	.82 ± 10%	25	70	160	.30	800
13	LT4K508	22013	1.0 ± 5%	7.9	70	150	.35	750
14	LT4K509	22014	1.2 ± 5%	7.9	60	130	.40	700
15	LT4K510	22015	1.5 ± 5%	7.9	60	120	.50	630
16	LT4K511	22016	1.8 ± 5%	7.9	60	110	.70	530
17	LT4K512	22017	2.2 ± 5%	7.9	60	100	.90	470
18	LT4K513	22018	2.7 ± 5%	7.9	60	90	1.1	420
19	LT4K514	22019	3.3 ± 5%	7.9	60	70	1.3	390
20	LT4K515	22020	3.9 ± 5%	7.9	60	60	1.5	360
21	LT4K516	22021	4.7 ± 5%	7.9	60	50	1.8	330
22	LT4K517	22022	5.6 ± 5%	7.9	60	45	2.0	310
23	LT4K518	22023	6.8 ± 5%	7.9	60	40	2.2	300
24	LT4K519	22024	8.2 ± 5%	7.9	60	37	2.4	290
25	LT4K520	22025	10.0 ± 5%	7.9	60	35	2.6	280



COAST / ADVANCED CHIP MAGNETICS

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