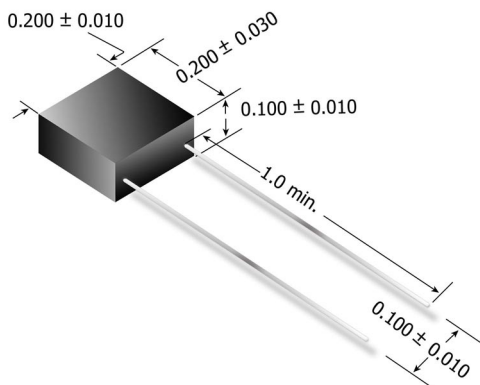


# 23000 Series

## Molded Subminiature RF Inductors

## MS21423



### 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: 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

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	LT4K521	23001	.01 ± 20%	150	60	1000	.02	3000
02	LT4K522	23002	.012 ± 20%	150	60	1000	.02	3000
03	LT4K523	23003	.015 ± 20%	150	60	1000	.02	3000
04	LT4K524	23004	.018 ± 20%	150	60	1000	.02	3000
05	LT4K525	23005	.022 ± 20%	100	60	900	.02	3000
06	LT4K526	23006	.027 ± 20%	100	60	800	.02	3000
07	LT4K527	23007	.033 ± 20%	100	60	750	.02	3000
08	LT4K528	23008	.039 ± 20%	100	60	700	.02	3000
09	LT4K529	23009	.047 ± 20%	100	60	650	.02	3000
10	LT4K530	23010	.056 ± 20%	100	60	600	.02	3000
11	LT4K531	23011	.068 ± 20%	100	60	550	.03	2500
12	LT4K532	23012	.82 ± 20%	100	60	500	.04	2200
13	LT4K533	23013	.10 ± 10%	50	80	450	.04	2200
14	LT4K534	23014	.12 ± 10%	50	80	400	.05	2000
15	LT4K535	23015	.15 ± 10%	50	80	350	.06	1800
16	LT4K536	23016	.18 ± 10%	50	80	320	.07	1600
17	LT4K537	23017	.22 ± 10%	50	80	300	.08	1500
18	LT4K538	23018	.27 ± 10%	50	80	280	.10	1400
19	LT4K539	23019	.33 ± 10%	50	80	260	.12	1300
20	LT4K540	23020	.39 ± 10%	50	80	240	.15	1150
21	LT4K541	23021	.47 ± 10%	50	80	220	.20	1000
22	LT4K542	23022	.56 ± 10%	50	70	200	.25	900
23	LT4K543	23023	.68 ± 10%	50	70	180	.30	800
24	LT4K544	23024	.82 ± 10%	50	70	160	.35	750
25	LT4K545	23025	1.0 ± 10%	50	70	150	.40	700



COAST / ADVANCED CHIP MAGNETICS

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