



Marking (on face of case)

(Dash Number)

22558

S23xxx

### FEATURES

- Inductance Tolerances: Tighter tolerances available upon request
- Leads: Tin-lead coated copper wire
- Welded Internal Connections, Transfer Molded Package
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types

### SPECIFICATIONS

- Weight: 0.5 gram, maximum
  - Operating temperature range: -55°C to 125°C
  - Temperature rise (at 90°C): 35°C
  - Power dissipation: 0.2 watt, maximum
  - Terminal Pull: 5 pounds minimum
  - Shock: Method 213 of MIL-STD-202, test condition I
  - Vibration: Method 204 of MIL-STD-202, test condition D
  - Dielectric Withstanding Voltage: Method 301 of MIL-STD-202, test voltage 700 Vrms minimum
  - Outgassing meets NASA spec SP-R-0022A: TML < 1%
  - Meets the requirements of MIL-PRF-15305 and MIL-STD-981, class S or class B
- Class S parts are intended for critical flight and mission-essential ground support applications and any application that is critical to safety.
- Class B parts are for use in non-flight and non-mission-essential ground support applications.

Dash Number	Type Designation	C/ACM P/N	Inductance (μH)	Test Freq (MHz)	Q Min	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
MS21423-01	LT4K521	S23001	0.010 ± 20%	150	60	1000	0.02	3000
MS21423-02	LT4K522	S23002	0.012 ± 20%	150	60	1000	0.02	3000
MS21423-03	LT4K523	S23003	0.015 ± 20%	150	60	1000	0.02	3000
MS21423-04	LT4K524	S23004	0.018 ± 20%	150	60	1000	0.02	3000
MS21423-05	LT4K525	S23005	0.022 ± 20%	100	60	900	0.02	3000
MS21423-06	LT4K526	S23006	0.027 ± 20%	100	60	800	0.02	3000
MS21423-07	LT4K527	S23007	0.033 ± 20%	100	60	750	0.02	3000
MS21423-08	LT4K528	S23008	0.039 ± 20%	100	60	700	0.02	3000
MS21423-09	LT4K529	S23009	0.047 ± 20%	100	60	650	0.02	3000
MS21423-10	LT4K530	S23010	0.056 ± 20%	100	60	600	0.02	3000
MS21423-11	LT4K531	S23011	0.068 ± 20%	100	60	550	0.03	2500
MS21423-12	LT4K532	S23012	0.082 ± 20%	100	60	500	0.04	2200
MS21423-13	LT4K533	S23013	0.100 ± 10%	50	80	450	0.04	2200
MS21423-14	LT4K534	S23014	0.120 ± 10%	50	80	400	0.05	2000
MS21423-15	LT4K535	S23015	0.150 ± 10%	50	80	350	0.06	1800
MS21423-16	LT4K536	S23016	0.180 ± 10%	50	80	320	0.07	1600
MS21423-17	LT4K537	S23017	0.220 ± 10%	50	80	300	0.08	1500
MS21423-18	LT4K538	S23018	0.270 ± 10%	50	80	280	0.10	1400
MS21423-19	LT4K539	S23019	0.330 ± 10%	50	80	260	0.12	1300
MS21423-20	LT4K540	S23020	0.390 ± 10%	50	80	240	0.15	1150
MS21423-21	LT4K541	S23021	0.470 ± 10%	50	80	220	0.20	1000
MS21423-22	LT4K542	S23022	0.560 ± 10%	50	70	200	0.25	900
MS21423-23	LT4K543	S23023	0.680 ± 10%	50	70	180	0.30	800
MS21423-24	LT4K544	S23024	0.820 ± 10%	50	70	160	0.35	750
MS21423-25	LT4K545	S23025	1.000 ± 10%	50	70	150	0.40	700

#### Part or Identifying Number (PIN):

S23xxxS: MIL-STD-981, Class S

S23xxxB: MIL-STD-981, Class B



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