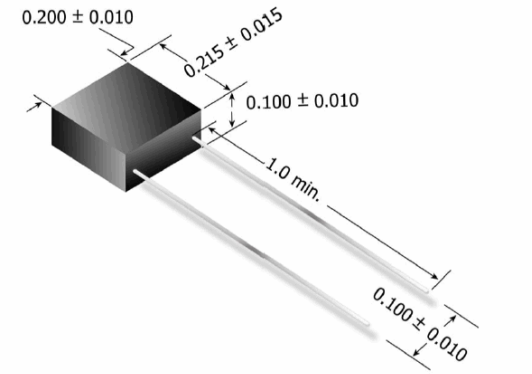
S22000 Series

MIL-STD-981, MIL-PRF-15305

RF Inductor

QPL Approved



Marking (on face of case)

(Dash Number)

22558

S22xxx

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)
MS21422-01	LT4K496	S22001	0.10 ± 10%	25	55	450	0.04	2200
MS21422-02	LT4K497	S22002	0.12 ± 10%	25	65	400	0.05	2000
MS21422-03	LT4K498	S22003	0.15 ± 10%	25	60	350	0.06	1800
MS21422-04	LT4K499	S22004	0.18 ± 10%	25	60	320	0.07	1600
MS21422-05	LT4K500	S22005	0.22 ± 10%	25	65	300	0.08	1500
MS21422-06	LT4K501	S22006	0.27 ± 10%	25	65	280	0.10	1400
MS21422-07	LT4K502	S22007	0.33 ± 10%	25	65	260	0.11	1300
MS21422-08	LT4K503	S22008	0.39 ± 10%	25	65	240	0.14	1200
MS21422-09	LT4K504	S22009	0.47 ± 10%	25	65	220	0.17	1100
MS21422-10	LT4K505	S22010	0.56 ± 10%	25	70	200	0.22	1000
MS21422-11	LT4K506	S22011	0.68 ± 10%	25	70	180	0.27	900
MS21422-12	LT4K507	S22012	0.82 ± 10%	25	70	160	0.30	800
MS21422-13	LT4K508	S22013	1.00 ± 5%	7.9	70	150	0.35	750
MS21422-14	LT4K509	S22014	1.20 ± 5%	7.9	60	130	0.40	700
MS21422-15	LT4K510	S22015	1.50 ± 5%	7.9	60	120	0.50	630
MS21422-16	LT4K511	S22016	1.80 ± 5%	7.9	60	110	0.70	530
MS21422-17	LT4K512	S22017	2.20 ± 5%	7.9	60	100	0.90	470
MS21422-18	LT4K513	S22018	2.70 ± 5%	7.9	60	90	1.10	420
MS21422-19	LT4K514	S22019	3.30 ± 5%	7.9	60	70	1.30	390
MS21422-20	LT4K515	S22020	3.90 ± 5%	7.9	60	60	1.50	360
MS21422-21	LT4K516	S22021	4.70 ± 5%	7.9	60	50	1.80	330
MS21422-22	LT4K517	S22022	5.60 ± 5%	7.9	60	45	2.00	310
MS21422-23	LT4K518	S22023	6.80 ± 5%	7.9	60	40	2.20	300
MS21422-24	LT4K519	S22024	8.20 ± 5%	7.9	60	37	2.40	290
MS21422-25	LT4K520	S22025	10.00 ± 5%	7.9	60	35	2.60	280

Part or Identifying Number (PIN):
S22xxxS: MIL-STD-981, Class S
S22xxxB: MIL-STD-981, Class B

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