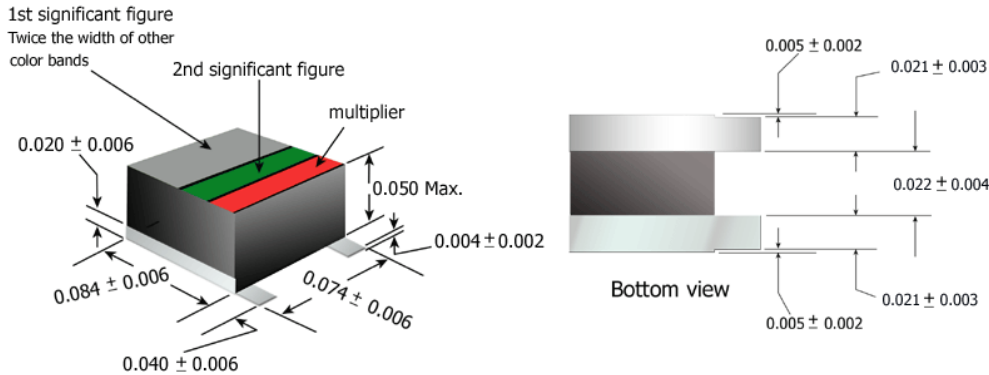


S6500 Series

MIL-STD-981, MIL-PRF-83446/6

Fixed Chip Inductor

QPL Approved



Tape & Reel (additional charge)	
Type	Reel (Qty)
Tabs	2,600
No Tabs	3,000

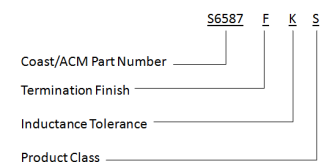
FEATURES

- Leadless device for minimum footprint
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- 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
- Altitude: 70,000 feet
- Dielectric withstanding voltage: Method 301 of MIL-STD-202, test voltage 500 Vrms
- Barometric Pressure: Method 105, test condition C, MIL-STD-202 (70,000 feet), test voltage 200 Vrms
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Meets the requirements of MIL-PRF-83446 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 noncritical flight and non-mission-essential ground support applications.

Part or Identifying Number (PIN):



- F: Termination Finish
 A: Gold F: Tin-lead
 K: Inductance Tolerance
 M: ±20% K: ±10% J: ±5%
 H: ±3% G: ±2% I: ±1%
 S: Product Class (see above for details)
 S: Class S B: Class B

With Tabs		Without Tabs		Inductance ±10% (μH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
Dash Number	C/ACM P/N	Dash Number	C/ACM P/N							
M83446/06-49	S6549	M83446/06-88	S6588	0.005	32	40	200	1900	0.10	750
M83446/06-50	S6550	M83446/06-89	S6589	0.008	32	40	200	1800	0.10	750
M83446/06-51	S6551	M83446/06-90	S6590	0.010	32	40	150	1700	0.10	750
M83446/06-52	S6552	M83446/06-91	S6591	0.012	32	40	150	1500	0.10	750
M83446/06-53	S6553	M83446/06-92	S6592	0.015	29	37	150	1300	0.10	750
M83446/06-54	S6554	M83446/06-93	S6593	0.018	29	37	150	1100	0.10	750
M83446/06-55	S6555	M83446/06-94	S6594	0.022	35	43	100	900	0.10	750
M83446/06-56	S6556	M83446/06-95	S6595	0.027	34	42	100	900	0.10	750
M83446/06-57	S6557	M83446/06-96	S6596	0.033	32	41	100	800	0.10	600
M83446/06-58	S6558	M83446/06-97	S6597	0.039	32	41	100	750	0.10	550
M83446/06-59	S6559	M83446/06-98	S6598	0.047	32	41	100	750	0.10	500
M83446/06-60	S6560	M83446/06-99	S6599	0.056	32	41	100	700	0.10	450
M83446/06-61	S6561	M83446/06-100	S6600	0.068	32	41	100	700	0.12	400
M83446/06-62	S6562	M83446/06-101	S6601	0.082	32	40	100	700	0.13	350
M83446/06-63	S6563	M83446/06-102	S6602	0.10	32	40	50	600	0.14	350
M83446/06-64	S6564	M83446/06-103	S6603	0.12	32	40	50	500	0.17	350
M83446/06-65	S6565	M83446/06-104	S6604	0.15	32	40	50	500	0.18	350
M83446/06-66	S6566	M83446/06-105	S6605	0.18	32	40	50	450	0.25	300
M83446/06-67	S6567	M83446/06-106	S6606	0.22	32	40	50	400	0.30	300
M83446/06-68	S6568	M83446/06-107	S6607	0.27	30	39	50	330	0.40	300
M83446/06-69	S6569	M83446/06-108	S6608	0.33	30	39	50	270	0.50	300
M83446/06-70	S6570	M83446/06-109	S6609	0.39	24	31	50	250	0.90	250
M83446/06-71	S6571	M83446/06-110	S6610	0.47	24	31	25	200	0.90	250
M83446/06-72	S6572	M83446/06-111	S6611	0.56	24	31	25	180	1.10	250
M83446/06-73	S6573	M83446/06-112	S6612	0.68	24	31	25	150	1.20	250
M83446/06-74	S6574	M83446/06-113	S6613	0.82	24	31	25	130	1.40	250
M83446/06-75	S6575	M83446/06-114	S6614	1.0	24	31	25	110	1.40	250
M83446/06-76	S6576	M83446/06-115	S6615	1.2	21	28	7.9	110	1.50	200
M83446/06-77	S6577	M83446/06-116	S6616	1.5	21	28	7.9	110	1.50	200
M83446/06-78	S6578	M83446/06-117	S6617	1.8	21	28	7.9	100	1.60	200
M83446/06-79	S6579	M83446/06-118	S6618	2.2	21	28	7.9	90	1.60	150
M83446/06-80	S6580	M83446/06-119	S6619	2.7	21	28	7.9	80	1.60	150
M83446/06-81	S6581	M83446/06-120	S6620	3.3	21	28	7.9	75	1.60	150
M83446/06-82	S6582	M83446/06-121	S6621	3.9	21	28	7.9	70	2.90	100
M83446/06-83	S6583	M83446/06-122	S6622	4.7	21	28	7.9	63	2.90	100
M83446/06-84	S6584	M83446/06-123	S6623	5.6	21	28	7.9	60	3.00	100
M83446/06-85	S6585	M83446/06-124	S6624	6.8	21	28	7.9	50	3.75	100
M83446/06-86	S6586	M83446/06-125	S6625	8.2	21	28	7.9	40	4.50	100
M83446/06-87	S6587	M83446/06-126	S6626	10.0	21	28	7.9	30	5.60	100



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