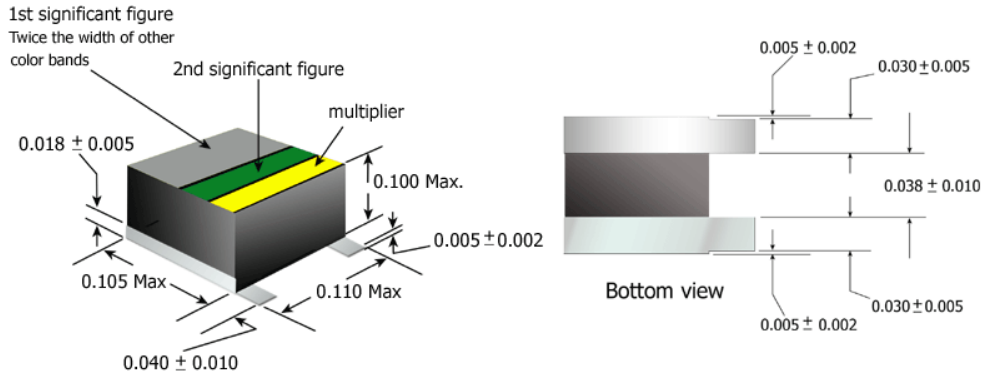


S6000 Series

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

Fixed Chip Inductor

QPL Approved



Tape & Reel (additional charge)	
Type	Reel (Qty)
Tabs	1,800
No Tabs	2,000

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

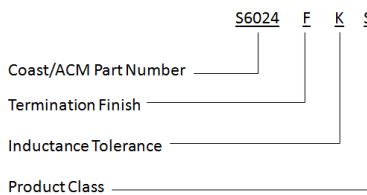
- Weight: 0.5 gram, maximum
- Operating temperature range: -55°C to 125°C
- Temperature rise (at 90°C): 35°C
- Altitude: 70,000 feet
- Dielectric withstanding voltage: Method 301 of MIL-STD-202, test voltage 500 Vrms
- Barometric Pressure: Method 105, test condition C, MIL-STD-202 (70,000 feet), test 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.

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							
M83446/06-01	S6001	M83446/06-25	S6025	12.0	42	50	2.50	26.0	2.0	110
M83446/06-02	S6002	M83446/06-26	S6026	15.0	44	52	2.50	24.0	2.2	105
M83446/06-03	S6003	M83446/06-27	S6027	18.0	44	52	2.50	21.0	2.8	100
M83446/06-04	S6004	M83446/06-28	S6028	22.0	48	55	2.50	20.0	3.5	85
M83446/06-05	S6005	M83446/06-29	S6029	27.0	49	57	2.50	19.0	4.3	75
M83446/06-06	S6006	M83446/06-30	S6030	33.0	50	58	2.50	14.0	5.5	68
M83446/06-07	S6007	M83446/06-31	S6031	39.0	52	60	2.50	12.0	6.5	61
M83446/06-08	S6008	M83446/06-32	S6032	47.0	53	62	2.50	11.0	8.5	54
M83446/06-09	S6009	M83446/06-33	S6033	56.0	56	64	2.50	10.0	12.0	46
M83446/06-10	S6010	M83446/06-34	S6034	68.0	53	62	2.50	9.0	13.0	42
M83446/06-11	S6011	M83446/06-35	S6035	82.0	49	57	2.50	8.0	15.0	40
M83446/06-12	S6012	M83446/06-36	S6036	100.0	49	57	2.50	7.0	18.0	36
M83446/06-13	S6013	M83446/06-37	S6037	120.0	37	45	0.79	6.0	21.0	34
M83446/06-14	S6014	M83446/06-38	S6038	150.0	30	38	0.79	5.0	26.0	31
M83446/06-15	S6015	M83446/06-39	S6039	180.0	30	38	0.79	5.0	28.0	29
M83446/06-16	S6016	M83446/06-40	S6040	220.0	26	32	0.79	4.5	32.0	28
M83446/06-17	S6017	M83446/06-41	S6041	270.0	26	32	0.79	4.0	36.0	26
M83446/06-18	S6018	M83446/06-42	S6042	330.0	24	30	0.79	3.7	42.0	24
M83446/06-19	S6019	M83446/06-43	S6043	390.0	24	30	0.79	3.5	46.0	23
M83446/06-20	S6020	M83446/06-44	S6044	470.0	24	30	0.79	3.0	68.0	19
M83446/06-21	S6021	M83446/06-45	S6045	560.0	22	28	0.79	2.8	77.0	18
M83446/06-22	S6022	M83446/06-46	S6046	680.0	20	26	0.79	2.5	85.0	17
M83446/06-23	S6023	M83446/06-47	S6047	820.0	16	22	0.79	2.0	100.0	16
M83446/06-24	S6024	M83446/06-48	S6048	1000.0	12	18	0.79	1.5	120.0	15

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



Coast / Advanced Chip Magnetics

4225 Spencer Street, Torrance CA 90503 · Phone 310-370-8188 · Fax 310-370-8388
Web: www.coastacm.com · Email: sales@coastacm.com