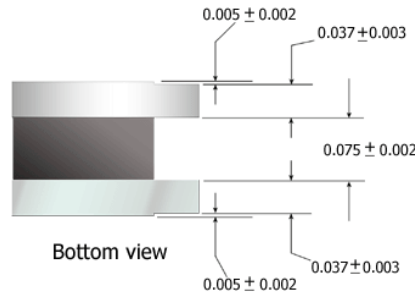
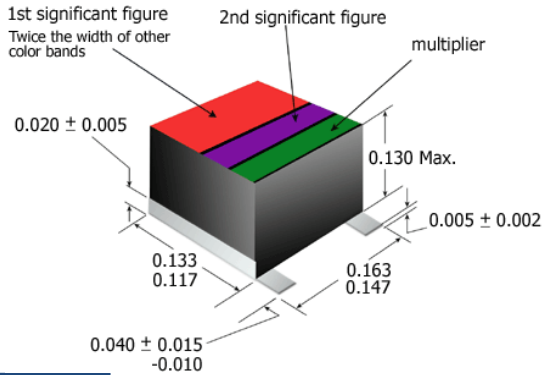


# S11000 Series

# MIL-STD-981, MIL-PRF-83446/11

## Fixed Chip Inductor

## QPL Approved



Tape & Reel (additional charge)	
Type	Reel (Qty)
Tabs	600
No Tabs	650

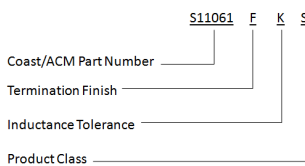
### FEATURES

- 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							
M83446/11-01	S11001	M83446/11-62	S11062	0.10	90	100	25	600	0.03	1000
M83446/11-02	S11002	M83446/11-63	S11063	0.12	90	100	25	520	0.03	1000
M83446/11-03	S11003	M83446/11-64	S11064	0.15	90	100	25	490	0.03	1000
M83446/11-04	S11004	M83446/11-65	S11065	0.18	90	100	25	460	0.04	1000
M83446/11-05	S11005	M83446/11-66	S11066	0.22	90	100	25	430	0.04	1000
M83446/11-06	S11006	M83446/11-67	S11067	0.27	100	113	25	370	0.04	1000
M83446/11-07	S11007	M83446/11-68	S11068	0.33	105	120	25	310	0.05	750
M83446/11-08	S11008	M83446/11-69	S11069	0.39	115	130	25	280	0.05	750
M83446/11-09	S11009	M83446/11-70	S11070	0.47	115	130	25	260	0.05	750
M83446/11-10	S11010	M83446/11-71	S11071	0.56	115	130	25	240	0.06	700
M83446/11-11	S11011	M83446/11-72	S11072	0.68	115	130	25	200	0.06	700
M83446/11-12	S11012	M83446/11-73	S11073	0.82	115	130	25	185	0.06	700
M83446/11-13	S11013	M83446/11-74	S11074	1.0	115	130	25	175	0.09	650
M83446/11-14	S11014	M83446/11-75	S11075	1.2	90	100	7.9	150	0.09	650
M83446/11-15	S11015	M83446/11-76	S11076	1.5	100	115	7.9	135	0.14	600
M83446/11-16	S11016	M83446/11-77	S11077	1.8	100	115	7.9	120	0.20	500
M83446/11-17	S11017	M83446/11-78	S11078	2.2	100	115	7.9	105	0.30	400
M83446/11-18	S11018	M83446/11-79	S11079	2.7	100	115	7.9	85	0.40	350
M83446/11-19	S11019	M83446/11-80	S11080	3.3	100	115	7.9	80	0.46	330
M83446/11-20	S11020	M83446/11-81	S11081	3.9	105	120	7.9	64	0.52	310
M83446/11-21	S11021	M83446/11-82	S11082	4.7	115	130	7.9	56	0.54	300
M83446/11-22	S11022	M83446/11-83	S11083	5.6	115	130	7.9	49	0.60	285
M83446/11-23	S11023	M83446/11-84	S11084	6.8	115	130	7.9	45	0.66	270
M83446/11-24	S11024	M83446/11-85	S11085	8.2	115	130	7.9	41	1.00	225
M83446/11-25	S11025	M83446/11-86	S11086	10.0	115	130	7.9	39	1.20	200
M83446/11-26	S11026	M83446/11-87	S11087	12.0	100	113	2.5	34	1.5	180
M83446/11-27	S11027	M83446/11-88	S11088	15.0	100	113	2.5	30	1.8	170
M83446/11-28	S11028	M83446/11-89	S11089	18.0	100	113	2.5	26	1.9	160
M83446/11-29	S11029	M83446/11-90	S11090	22.0	105	120	2.5	23	2.1	150
M83446/11-30	S11030	M83446/11-91	S11091	27.0	110	125	2.5	20	2.4	140
M83446/11-31	S11031	M83446/11-92	S11092	33.0	115	130	2.5	18	2.7	130
M83446/11-32	S11032	M83446/11-93	S11093	39.0	115	130	2.5	17	3.1	125
M83446/11-33	S11033	M83446/11-94	S11094	47.0	115	130	2.5	16	3.2	125
M83446/11-34	S11034	M83446/11-95	S11095	56.0	110	125	2.5	14	3.5	120
M83446/11-35	S11035	M83446/11-96	S11096	68.0	110	125	2.5	12	4.0	111
M83446/11-36	S11036	M83446/11-97	S11097	82.0	110	125	2.5	10	4.8	102
M83446/11-37	S11037	M83446/11-98	S11098	100.0	110	125	2.5	9.4	5.7	93
M83446/11-38	S11038	M83446/11-99	S11099	120.0	85	95	0.79	8.0	6.2	89
M83446/11-39	S11039	M83446/11-100	S11100	150.0	85	95	0.79	8.0	6.3	89
M83446/11-40	S11040	M83446/11-101	S11101	180.0	85	95	0.79	6.9	6.4	88
M83446/11-41	S11041	M83446/11-102	S11102	220.0	85	95	0.79	6.1	7.4	82
M83446/11-42	S11042	M83446/11-103	S11103	270.0	85	95	0.79	5.2	8.1	78
M83446/11-43	S11043	M83446/11-104	S11104	330.0	100	113	0.79	4.6	8.8	75
M83446/11-44	S11044	M83446/11-105	S11105	390.0	100	113	0.79	4.0	9.7	72
M83446/11-45	S11045	M83446/11-106	S11106	470.0	100	113	0.79	3.6	10.0	69
M83446/11-46	S11046	M83446/11-107	S11107	560.0	100	113	0.79	2.8	11.0	66
M83446/11-47	S11047	M83446/11-108	S11108	680.0	100	113	0.79	2.3	12.0	64
M83446/11-48	S11048	M83446/11-109	S11109	820.0	95	106	0.79	2.1	17.0	53
M83446/11-49	S11049	M83446/11-110	S11110	1000.0	95	106	0.79	2.0	22.0	47
M83446/11-50	S11050	M83446/11-111	S11111	1200.0	75	87	0.25	1.7	24.0	45
M83446/11-51	S11051	M83446/11-112	S11112	1500.0	75	87	0.25	1.6	25.0	44
M83446/11-52	S11052	M83446/11-113	S11113	1800.0	75	87	0.25	1.5	27.0	43
M83446/11-53	S11053	M83446/11-114	S11114	2200.0	75	87	0.25	1.4	30.0	40
M83446/11-54	S11054	M83446/11-115	S11115	2700.0	75	87	0.25	1.3	34.0	38
M83446/11-55	S11055	M83446/11-116	S11116	3300.0	75	87	0.25	1.2	39.0	35
M83446/11-56	S11056	M83446/11-117	S11117	3900.0	75	87	0.25	1.1	56.0	29
M83446/11-57	S11057	M83446/11-118	S11118	4700.0	75	87	0.25	1.0	70.0	26
M83446/11-58	S11058	M83446/11-119	S11119	5600.0	75	87	0.25	0.90	80.0	25
M83446/11-59	S11059	M83446/11-120	S11120	6800.0	75	85	0.25	0.80	90.0	23
M83446/11-60	S11060	M83446/11-121	S11121	8200.0	75	85	0.25	0.70	100.0	22
M83446/11-61	S11061	M83446/11-122	S11122	10000.0	75	85	0.25	0.70	110.0	21



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