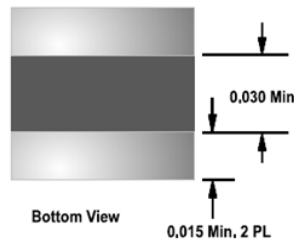
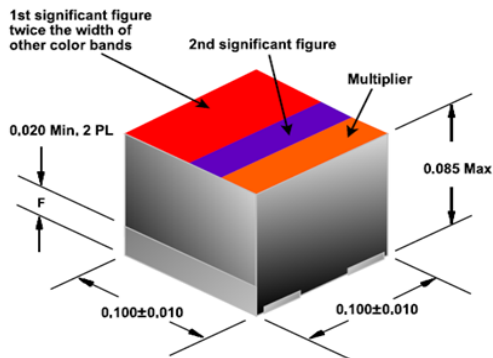


# 4000 Series

## Fixed Chip Inductor

# MIL-PRF-83446/4

## QPL Approved



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

### FEATURES

- Leadless device for minimum footprint
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials

### 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
- Space Application: Available to MIL-STD-981

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

M83446/04-XX F K

XX: Dash Number

F: Termination Finish

A: Gold F: Tin-lead

K: Inductance Tolerance

M: ±20% K: ±10% J: ±5%

H: ±3% G: ±2% I: ±1%

Dash Number	C/ACM P/N	Inductance ±10% (µH)	Q Min	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
M83446/04-01	4001	0.12 ±10%	30	25	750	0.125	880
M83446/04-02	4002	0.15 ±10%	25	25	650	0.175	745
M83446/04-03	4003	0.18 ±10%	25	25	550	0.200	695
M83446/04-04	4004	0.22 ±10%	25	25	450	0.220	665
M83446/04-05	4005	0.27 ±10%	25	25	375	0.230	650
M83446/04-07	4007	0.39 ±10%	22	25	235	0.240	635
M83446/04-08	4008	0.47 ±10%	22	25	215	0.260	610
M83446/04-09	4009	0.56 ±10%	22	25	195	0.278	590
M83446/04-10	4010	0.68 ±10%	22	25	175	0.520	435
M83446/04-12	4012	1.0 ±10%	22	25	145	0.540	425
M83446/04-13	4013	1.2 ±10%	22	7.9	130	0.740	360
M83446/04-14	4014	1.5 ±10%	22	7.9	115	0.840	340
M83446/04-15	4015	1.8 ±10%	22	7.9	105	0.920	325
M83446/04-17	4017	2.7 ±10%	24	7.9	77	1.15	290
M83446/04-18	4018	3.3 ±10%	24	7.9	70	1.40	260
M83446/04-19	4019	3.9 ±10%	24	7.9	68	1.55	250
M83446/04-20	4020	4.7 ±10%	24	7.9	60	1.80	230
M83446/04-22	4022	6.8 ±10%	22	7.9	50	2.20	210
M83446/04-23	4023	8.2 ±10%	22	7.9	48	2.50	195
M83446/04-24	4024	10.0 ±10%	24	7.9	40	3.45	165
M83446/04-25	4025	12.0 ±10%	25	2.5	35	3.80	160
M83446/04-27	4027	18.0 ±10%	25	2.5	28	5.80	130
M83446/04-28	4028	22.0 ±10%	25	2.5	25	6.40	125
M83446/04-29	4029	27.0 ±10%	25	2.5	22	6.90	120
M83446/04-30	4030	0.010 ±20%	60	50	2700	0.060	1270
M83446/04-32	4032	0.022 ±20%	50	50	1800	0.108	950
M83446/04-33	4033	0.033 ±20%	48	50	1450	0.120	900
M83446/04-34	4034	0.047 ±20%	42	50	1220	0.145	820
M83446/04-35	4035	0.068 ±20%	36	50	1000	0.195	705
M83446/04-37	4037	0.010 ±10%	60	50	2700	0.060	1270
M83446/04-38	4038	0.012 ±10%	57	50	2450	0.069	1190
M83446/04-39	4039	0.015 ±10%	55	50	2200	0.078	1110
M83446/04-40	4040	0.018 ±10%	52	50	2000	0.093	1030
M83446/04-42	4042	0.027 ±10%	49	50	1625	0.114	925
M83446/04-43	4043	0.033 ±10%	48	50	1450	0.120	900
M83446/04-44	4044	0.039 ±10%	45	50	1335	0.133	860
M83446/04-45	4045	0.047 ±10%	42	50	1220	0.145	820
M83446/04-47	4047	0.068 ±10%	36	50	1000	0.195	705
M83446/04-48	4048	0.082 ±10%	34	50	915	0.212	675
M83446/04-49	4049	0.100 ±10%	32	50	830	0.230	650



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