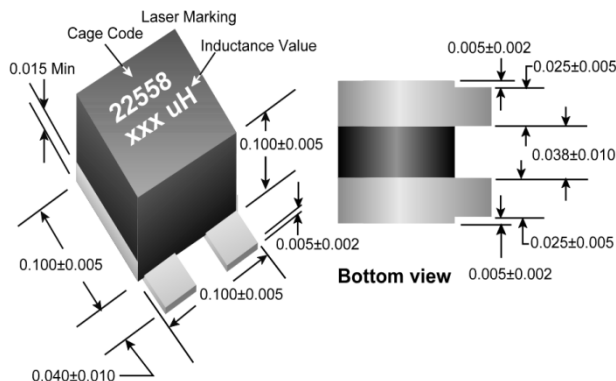


13000 Series

Fixed Chip Inductor

MIL-PRF-83446/13

QPL Approved



Tape & Reel (additional charge)	
Type	Reel (Qty)
No Tabs	2000

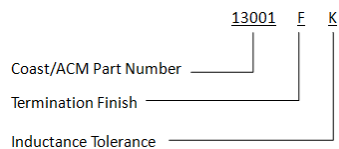
FEATURES

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

SPECIFICATIONS

- Weight: 0.02 ounce, 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 700 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):



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	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated Current Max (mA)	Incremental Current (mA)
M83446/13-01	13001	0.010	45	60	200	1200	0.020	750	----
M83446/13-02	13002	0.012	45	60	200	1200	0.025	750	----
M83446/13-03	13003	0.015	45	60	200	1200	0.035	750	----
M83446/13-04	13004	0.018	45	60	200	1200	0.040	750	----
M83446/13-05	13005	0.022	45	60	200	1000	0.045	750	----
M83446/13-06	13006	0.027	45	55	200	1000	0.050	750	----
M83446/13-07	13007	0.033	45	55	200	1000	0.055	640	----
M83446/13-08	13008	0.039	45	55	200	1000	0.060	600	----
M83446/13-09	13009	0.047	45	50	100	1000	0.065	550	----
M83446/13-10	13010	0.056	45	50	100	1000	0.060	520	----
M83446/13-11	13011	0.068	40	45	100	800	0.060	480	----
M83446/13-12	13012	0.082	35	40	100	800	0.080	470	----
M83446/13-13	13013	0.100	35	40	25.0	750	0.160	460	----
M83446/13-14	13014	0.120	35	40	25.0	700	0.170	455	----
M83446/13-15	13015	0.150	35	40	25.0	650	0.190	450	----
M83446/13-16	13016	0.180	35	40	25.0	600	0.200	430	----
M83446/13-17	13017	0.220	35	40	25.0	550	0.300	350	----
M83446/13-18	13018	0.270	35	40	25.0	480	0.350	310	----
M83446/13-19	13019	0.330	35	40	25.0	400	0.720	280	----
M83446/13-20	13020	0.390	35	40	25.0	380	0.80	250	----
M83446/13-21	13021	0.470	35	40	25.0	350	1.26	230	----
M83446/13-22	13022	0.560	35	40	25.0	330	1.30	220	----
M83446/13-23	13023	0.680	35	40	25.0	300	1.40	210	----
M83446/13-24	13024	0.820	35	40	25.0	250	1.50	200	----
M83446/13-25	13025	1.0	35	40	25.0	220	1.60	200	----
M83446/13-26	13026	1.2	32	40	7.90	200	1.70	200	----
M83446/13-27	13027	1.5	32	40	7.90	175	2.00	190	----
M83446/13-28	13028	1.8	32	40	7.90	150	2.00	185	----
M83446/13-29	13029	2.2	32	40	7.90	95	2.00	180	----
M83446/13-30	13030	2.7	30	35	7.90	85	2.00	175	----
M83446/13-31	13031	3.3	30	35	7.90	70	2.00	170	----
M83446/13-32	13032	3.9	30	35	7.90	60	2.10	165	----
M83446/13-33	13033	4.7	30	35	7.90	50	2.30	165	----
M83446/13-34	13034	5.6	30	35	7.90	40	2.50	165	----
M83446/13-35	13035	6.8	30	35	7.90	30	2.50	165	----
M83446/13-36	13036	8.2	27	32	7.90	22	2.50	120	----
M83446/13-37	13037	10	35	40	7.90	20	2.90	105	58
M83446/13-38	13038	12	35	40	7.90	15	3.00	91	53
M83446/13-39	13039	15	35	40	7.90	13	3.00	87	50
M83446/13-40	13040	18	35	40	2.50	12	3.20	81	46
M83446/13-41	13041	22	35	40	2.50	10	4.00	77	37
M83446/13-42	13042	27	35	40	2.50	9.0	4.00	73	34
M83446/13-43	13043	33	35	40	2.50	9.0	4.50	69	32
M83446/13-44	13044	39	35	40	2.50	6.5	5.00	65	29
M83446/13-45	13045	47	35	40	2.50	6.2	5.70	63	29
M83446/13-46	13046	56	35	40	2.50	6.0	6.00	60	28
M83446/13-47	13047	68	35	40	2.50	5.8	6.70	57	26
M83446/13-48	13048	82	30	40	2.50	5.2	7.50	55	23
M83446/13-49	13049	100	30	35	2.50	4.0	13.0	50	20



Coast / Advanced Chip Magnetics
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Web: www.coastacm.com · Email: sales@coastacm.com

Dash Number	C/ACM P/N	Inductance (μ H)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated Current Max (mA)	Incremental Current (mA)
M83446/13-50	13050	120	28	30	0.790	4.0	14.0	40	20
M83446/13-51	13051	150	28	30	0.790	3.9	18.0	36	20
M83446/13-52	13052	180	28	30	0.790	3.5	20.0	33	19
M83446/13-53	13053	220	28	30	0.790	3.2	21.0	28	18
M83446/13-54	13054	270	20	25	0.790	3.1	25.0	25	17
M83446/13-55	13055	330	20	25	0.790	2.8	37.0	20	16
M83446/13-56	13056	390	20	25	0.790	2.5	39.0	17	16
M83446/13-57	13057	470	20	25	0.790	2.3	45.0	15	15
M83446/13-58	13058	560	20	25	0.790	2.2	57.0	13	14
M83446/13-59	13059	680	20	25	0.790	2.1	62.0	12	13
M83446/13-60	13060	820	18	20	0.790	2.1	78.0	11	11
M83446/13-61	13061	1000	10	15	0.790	1.1	96.0	10	10



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