



MLRF1010 Epoxy Coated, MIL-PRF-83446

M83446/4 Phenolic Core & Ferrite Core

PART NUMBER (1)	MIL DASH NUMBER **	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN (2)	DCR OHMS MAX	DC CURRENT RATING mA MAX (3)	INDUCTANCE TOLERANCE
M83446/4 PHENOLIC CORE								
MLRF1010-010*	30/37	0.010	60	50	2700	0.060	1270	*
MLRF1010-012K	38	0.012	57	50	2450	0.069	1190	10
MLRF1010-015*	31/39	0.015	55	50	2200	0.078	1110	*
MLRF1010-018K	40	0.018	52	50	2000	0.093	1030	10
MLRF1010-022*	32/41	0.022	50	50	1800	0.108	950	*
MLRF1010-027K	42	0.027	49	50	1625	0.114	925	10
MLRF1010-033*	33/43	0.033	48	50	1450	0.120	900	*
MLRF1010-039K	44	0.039	45	50	1335	0.133	860	10
MLRF1010-047*	34/45	0.047	42	50	1220	0.145	820	*
MLRF1010-056K	46	0.056	39	50	1110	0.170	760	10
MLRF1010-068*	35/47	0.068	36	50	1000	0.195	705	*
MLRF1010-082K	48	0.082	34	50	915	0.212	675	10
MLRF1010-100*	36/49	0.100	32	50	830	0.230	650	*

* Suffix "K" for 10% tolerance, Suffix "M" for 20% tolerance

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** Where there are 2 MIL DASH NUMBERS, the first is 20% tolerance and the second is 10% tolerance

(1) Add suffix letter "S" to order with tin/lead solder coat

(2) SRF values above 250 MHz are calculated and are for reference only

(3) These values are also the maximum incremental current for ferrites only. Incremental current will not change the inductance more than 5% from the zero DC inductance measurement

NOTES:

- Operating Temperature Range: -55°C to +125°C
- Weight maximum 0.50 grams
- DWV 200 Vrms @ Sea Level
80 Vrms @ 70,000 Feet
- Rated Current is based on a 35°C Rise at an ambient temperature of 90°C

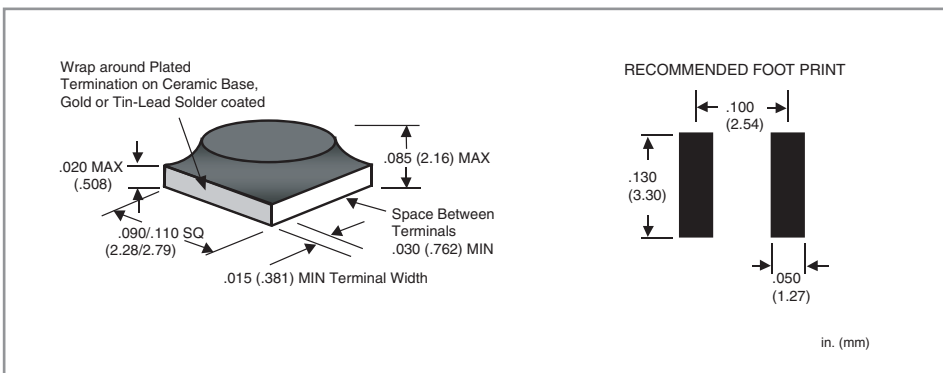
Gold termination is code "A" finish of MIL-PRF-83446

Solder termination is code "B" & "F" finish of MIL-PRF-83446

Example of ordering by Military number for
MLRF1010-220K: M83446/4-04A
MLRF1010-220KS: M83446/4-04B

TAPE AND REEL SPECS:

Pcs./Reel Maximum:	2000
Pitch Between Parts:	4 mm
Tape Width:	12 mm
Reel Diameter:	7 in.



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M83446/4 FERRITE CORE								
MLRF1010-120K	01	0.120	30	25	750	0.125	880	10
MLRF1010-150K	02	0.150	25	25	650	0.175	745	10
MLRF1010-180K	03	0.180	25	25	550	0.200	695	10
MLRF1010-220K	04	0.220	25	25	450	0.220	665	10
MLRF1010-270K	05	0.270	25	25	375	0.230	650	10
MLRF1010-330K	06	0.330	25	25	300	0.235	645	10
MLRF1010-390K	07	0.390	22	25	235	0.240	635	10
MLRF1010-470K	08	0.47	22	25	215	0.260	610	10
MLRF1010-560K	09	0.56	22	25	195	0.278	590	10
MLRF1010-680K	10	0.68	22	25	175	0.520	435	10
MLRF1010-820K	11	0.82	22	25	160	0.530	430	10
MLRF1010-101K	12	1.0	22	25	145	0.540	425	10
MLRF1010-121K	13	1.2	22	7.9	130	0.740	360	10
MLRF1010-151K	14	1.5	22	7.9	115	0.840	340	10
MLRF1010-181K	15	1.8	22	7.9	105	0.920	325	10
MLRF1010-221K	16	2.2	22	7.9	85	1.00	310	10
MLRF1010-271K	17	2.7	24	7.9	77	1.15	290	10
MLRF1010-331K	18	3.3	24	7.9	70	1.40	260	10
MLRF1010-391K	19	3.9	24	7.9	68	1.55	250	10
MLRF1010-471K	20	4.7	24	7.9	60	1.80	230	10
MLRF1010-561K	21	5.6	22	7.9	55	2.00	220	10
MLRF1010-681K	22	6.8	22	7.9	50	2.20	210	10
MLRF1010-821K	23	8.2	22	7.9	48	2.50	195	10
MLRF1010-102K	24	10	24	7.9	40	3.45	165	10
MLRF1010-122K	25	12	25	2.5	35	3.80	160	10
MLRF1010-152K	26	15	25	2.5	30	5.60	135	10
MLRF1010-182K	27	18	25	2.5	28	5.80	130	10
MLRF1010-222K	28	22	25	2.5	25	6.40	125	10
MLRF1010-272K	29	27	25	2.5	22	6.90	120	10

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