



MLRF0805



Ceramic Wirewound, Open Construction, MIL-PRF-83446

M83446/37 Ceramic Core

Outgassing Tested per ASTM E-595 (*)

PART NUMBER (1)	MIL DASH NUMBER	L nH	L TEST FREQ	Q MIN	Q TEST FREQ	SRF MHZ MIN	DCR OHMS MAX	CURRENT RATING mA DC MAX
MIL-PRF-83446/37 CERAMIC CORE								
MLRF0805-0022K	01 ^{AK}	2.2	250	55	1800	6000	0.080	1000
MLRF0805-0027K	02 ^{AK}	2.7	250	55	1800	6000	0.080	1000
MLRF0805-0033K	03 ^{AK}	3.3	250	50	1500	6000	0.080	1000
MLRF0805-0047K	04 ^{AK}	4.7	250	60	1500	5000	0.080	1000
MLRF0805-0056*1	05 ^{AK1}	5.6	250	60	1500	5000	0.090	1000
MLRF0805-0068*1	06 ^{AK1}	6.8	250	60	1500	4600	0.110	1000
MLRF0805-0082*1	07 ^{AK1}	8.2	250	55	1500	4600	0.120	970
MLRF0805-010*1	08 ^{AK1}	10	250	60	1500	4500	0.130	930
MLRF0805-012*2	09 ^{AK2}	12	250	65	500	4000	0.150	870
MLRF0805-015*2	10 ^{AK2}	15	250	50	500	2800	0.170	810
MLRF0805-018*2	11 ^{AK2}	18	250	50	500	2600	0.200	750
MLRF0805-022*2	12 ^{AK2}	22	250	55	500	2300	0.220	720
MLRF0805-027*2	13 ^{AK2}	27	250	55	500	2300	0.250	670
MLRF0805-033*2	14 ^{AK2}	33	250	60	500	2000	0.270	650
MLRF0805-039*2	15 ^{AK2}	39	250	60	500	2000	0.290	625
MLRF0805-047*2	16 ^{AK2}	47	250	60	500	1900	0.310	600
MLRF0805-056*2	17 ^{AK2}	56	250	50	500	1600	0.340	570
MLRF0805-068*2	18 ^{AK2}	68	250	50	500	1500	0.380	540
MLRF0805-082*2	19 ^{AK2}	82	150	55	500	1330	0.420	520
MLRF0805-100*2	20 ^{AK2}	100	150	55	500	1250	0.460	490
MLRF0805-120*2	21 ^{AK2}	120	150	45	250	1100	0.510	470
MLRF0805-150*2	22 ^{AK2}	150	100	45	250	920	0.700	400
MLRF0805-180*2	23 ^{AK2}	180	100	45	250	920	0.800	370
MLRF0805-220*2	24 ^{AK2}	220	100	45	250	820	1.2	300
MLRF0805-270*2	25 ^{AK2}	270	100	40	200	730	1.2	300
MLRF0805-330*2	26 ^{AK2}	330	100	40	200	750	1.8	250
MLRF0805-390*2	27 ^{AK2}	390	100	40	200	700	2.0	230
MLRF0805-470*2	28 ^{AK2}	470	100	40	200	600	3.0	210
MLRF0805-560*2	29 ^{AK2}	560	100	40	200	500	3.5	180
MLRF0805-680*2	30 ^{AK2}	680	50	40	200	450	4.0	170
MLRF0805-820*2	31 ^{AK2}	820	25	15	25	250	2.5	210
MLRF0805-101*2	32 ^{AK2}	1000	25	15	25	250	3.0	195
MLRF0805-181*2	33 ^{AK2}	1800	7.9	15	7.9	50	4.5	150
MLRF0805-221*2	34 ^{AK2}	2200	7.9	15	7.9	40	5.0	140

*1 Suffix "J" for 5% tolerance or "K" for 10% tolerance

*2 Suffix "G" for 2% tolerance, "J" for 5% tolerance, or "K" for 10% tolerance

(1) Add suffix letter "S" to order with tin/lead solder termination, otherwise gold termination will be provided

^ For MIL-PRF termination finish codes refer to NOTES below

NOTES:

- Operating Temperature Range: -55°C to +125°C
 - Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
 - DWV 200 Vrms @ Sea Level
80 Vrms @ 70,000 Feet
 - Weight maximum 0.008 grams (0.000881 ounces)
 - * Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E-595; this calculation does not include WVR (Water Vapor Recovered)
- Gold termination is code "A" finish of MIL-PRF-83446
Tin-Lead solder termination is code "B" or "F" finish of MIL-PRF-83446
- Example of ordering by Military number for
MLRF0805-047K: M83446/37-14AK
MLRF0805-047KS: M83446/37-14FK

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2500
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.

