



MLRF0603



Ceramic Wirewound, Open Construction, MIL-PRF-83446

M83446/36 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-83446/36 CERAMIC CORE								
MLRF0603-0018K	01^K	1.8	250	22	250	6000	0.070	1000
MLRF0603-0033*	24^A	3.3	250	22	250	6000	0.070	1000
MLRF0603-0036*	02^A	3.6	250	22	250	6000	0.070	1000
MLRF0603-0039*	03^A	3.9	250	22	250	6000	0.070	1000
MLRF0603-0043*	25^A	4.3	250	22	250	6000	0.090	885
MLRF0603-0047*	04^A	4.7	250	22	250	6000	0.090	885
MLRF0603-0056*	26^A	5.6	250	22	250	5800	0.100	840
MLRF0603-0068*	05^A	6.8	250	30	250	5800	0.100	840
MLRF0603-0087*	27^A	8.7	250	30	250	5200	0.140	705
MLRF0603-010*	06^A	10	250	31	250	4800	0.160	665
MLRF0603-012*	07^A	12	250	35	250	4000	0.130	735
MLRF0603-015*	08^A	15	250	35	250	4000	0.170	645
MLRF0603-016*	28^A	16	250	35	250	3400	0.170	645
MLRF0603-018*	09^A	18	250	35	250	3100	0.170	645
MLRF0603-022*	10^A	22	250	38	250	3000	0.190	610
MLRF0603-027*	11^A	27	250	40	250	2800	0.220	565
MLRF0603-033*	12^A	33	250	40	250	2300	0.220	565
MLRF0603-039*	13^A	39	250	40	250	2200	0.240	540
MLRF0603-047*	14^A	47	200	38	200	2000	0.280	500
MLRF0603-056*	15^A	56	200	38	200	1900	0.310	475
MLRF0603-068*	16^A	68	200	37	200	1700	0.360	440
MLRF0603-082*	17^A	82	150	34	150	1700	0.540	360
MLRF0603-100*	18^A	100	150	34	150	1400	0.750	305
MLRF0603-120*	19^A	120	150	32	150	1300	0.790	300
MLRF0603-150*	20^A	150	150	28	150	990	1.14	245
MLRF0603-180*	21^A	180	150	25	150	990	1.28	235
MLRF0603-220*	22^A	220	150	25	150	700	1.70	200
MLRF0603-270*	23^A	270	25	16	25	600	1.78	195

*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 (0.000282 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 MLRF0603-047K: M83446/36-14AK
MLRF0603-047KS: M83446/36-14FK

TAPE AND REEL SPECS:

Pcs./Reel maximum:	3000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.

