FEATURES

- **Small in size.**
- **Low in noise.**
- **High Stability, Reliability**
- **EIA Standard Color Coded**
- **Standard, AMMO pack, Tape & Reel available.**
- **96 Values per decade.**
- **Quantity per reel:**
  - MJ = 5000
  - MK = 5000
  - ML = 4000
  - MM = 2500

SPECIFICATIONS

MATERIAL

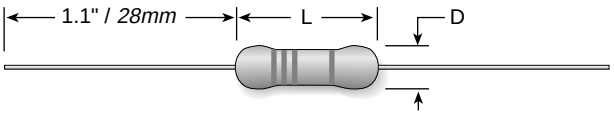
Coating: Epoxy
Core: High grade ceramic.
Terminals: Solder-coated copper lead.

ELECTRICAL

Max overload voltage:
MJ - 400 V ML - 700 V
MK - 500 V MM - 1000V
Derating: Linearly from 100% @ +70°C to 0% @ +155°C
Temperature coefficient: ±50 ppm/°C

Metal Devil®

Metal Film Resistors, 1% Tolerance
Available in E96 Ohmic values
Industrial grades



Series	Wattage	Ohms	Dimensions (in. / *mm*) Max. Length	Max. Diam.	Voltage	Lead ga.
MJ	0.125	10-1M	0.138 / *3.5*	0.073/*1.85*	200	24
MK	0.25	10-1M	0.268 / *6.8*	0.099 / *2.5*	250	22
ML	0.50	10-1M	0.355 / *9.0*	0.118 / *3.0*	350	22
MM	1.00	10-1M	0.473/*12.0*	0.199 / *5.0*	500	20

Available in Cabinet Assortments (See Page 34)

ORDERING INFORMATION

MK — Series: MJ, MK, ML, MM

1001 — Ohm Value: 10R0=10, 1001=1000, 1002=10,000, 1003=100,000

F — Tolerance: F=1%

AVAILABLE STOCK VALUES (* FOR STOCK SIZES SHOWN ABOVE)

Ohmic value	Part No. Prefix ➡ Suffix ⬇	Wattage 0.125 MJ	0.25 MK	0.50 ML	1.0 MM
10.0	10R0F	✓	✓	✓	✓
12.1	12R1F	✓	✓	✓	✓
15.0	15R0F	✓	✓	✓	✓
16.2	16R2F	✓	✓	✓	✓
20.0	20R0F	✓	✓	✓	✓
20.5	20R5F	✓	✓	✓	✓
22.1	22R1F	✓	✓	✓	✓
24.9	24R9F	✓	✓	✓	✓
30.1	30R1F	✓	✓	✓	✓
39.2	39R2F	✓	✓	✓	✓
49.9	49R9F	✓	✓	✓	✓
51.1	51R1F	✓	✓	✓	✓
60.4	60R4F	✓	✓	✓	✓
75.0	75R0F	✓	✓	✓	✓
82.5	82R5F	✓	✓	✓	✓
90.9	90R9F	✓	✓	✓	✓
100.0	1000F	✓	✓	✓	✓
133.0	1330F	✓	✓	✓	✓
143.0	1430F	✓	✓	✓	✓
150.0	1500F	✓	✓	✓	✓
182.0	1820F	✓	✓	✓	✓
200.0	2000F	✓	✓	✓	✓
221.0	2210F	✓	✓	✓	✓
249.0	2490F	✓	✓	✓	✓
301.0	3010F	✓	✓	✓	✓
332.0	3320F	✓	✓	✓	✓
342.0	3420F	✓	✓	✓	✓
402.0	4020F	✓	✓	✓	✓
422.0	4220F	✓	✓	✓	✓
432.0	4320F	✓	✓	✓	✓
475.0	4750F	✓	✓	✓	✓
499.0	4990F	✓	✓	✓	✓
511.0	5110F	✓	✓	✓	✓
562.0	5620F	✓	✓	✓	✓
604.0	6040F	✓	✓	✓	✓
634.0	6340F	✓	✓	✓	✓
681.0	6810F	✓	✓	✓	✓
698.0	6980F	✓	✓	✓	✓
750.0	7500F	✓	✓	✓	✓
825.0	8250F	✓	✓	✓	✓
909.0	9090F	✓	✓	✓	✓
1000	1001F	✓	✓	✓	✓
1100	1101F	✓	✓	✓	✓
1210	1211F	✓	✓	✓	✓
1400	1401F	✓	✓	✓	✓
2000	2001F	✓	✓	✓	✓
2100	2101F	✓	✓	✓	✓
2430	2431F	✓	✓	✓	✓
2490	2491F	✓	✓	✓	✓
2740	2741F	✓	✓	✓	✓
2800	2801F	✓	✓	✓	✓
3010	3011F	✓	✓	✓	✓
3240	3241F	✓	✓	✓	✓
3320	3321F	✓	✓	✓	✓
3830	3831F	✓	✓	✓	✓
3920	3921F	✓	✓	✓	✓
4220	4221F	✓	✓	✓	✓
4320	4321F	✓	✓	✓	✓
4530	4531F	✓	✓	✓	✓
4640	4641F	✓	✓	✓	✓
4750	4751F	✓	✓	✓	✓
4990	4991F	✓	✓	✓	✓
5110	5111F	✓	✓	✓	✓
5230	5321F	✓	✓	✓	✓
5620	5621F	✓	✓	✓	✓
6040	6041F	✓	✓	✓	✓
6190	6191F	✓	✓	✓	✓
6490	6491F	✓	✓	✓	✓
6810	6811F	✓	✓	✓	✓
6980	6981F	✓	✓	✓	✓
7500	7501F	✓	✓	✓	✓
8060	8061F	✓	✓	✓	✓
8660	8661F	✓	✓	✓	✓
9090	9091F	✓	✓	✓	✓
10,000	1002F	✓	✓	✓	✓
11,000	1102F	✓	✓	✓	✓
11,500	1152F	✓	✓	✓	✓
12,100	1212F	✓	✓	✓	✓
13,000	1302F	✓	✓	✓	✓
14,000	1402F	✓	✓	✓	✓
15,000	1502F	✓	✓	✓	✓
15,800	1582F	✓	✓	✓	✓
16,200	1622F	✓	✓	✓	✓
18,200	1822F	✓	✓	✓	✓
20,000	2002F	✓	✓	✓	✓
21,000	2102F	✓	✓	✓	✓
22,100	2212F	✓	✓	✓	✓
24,300	2432F	✓	✓	✓	✓
24,900	2492F	✓	✓	✓	✓
28,000	2802F	✓	✓	✓	✓
30,100	3012F	✓	✓	✓	✓
35,700	3572F	✓	✓	✓	✓
36,500	3652F	✓	✓	✓	✓
39,200	3922F	✓	✓	✓	✓
40,200	4022F	✓	✓	✓	✓
46,400	4642F	✓	✓	✓	✓
49,900	4992F	✓	✓	✓	✓
51,100	5112F	✓	✓	✓	✓
56,200	5622F	✓	✓	✓	✓
57,600	5762F	✓	✓	✓	✓
61,900	6192F	✓	✓	✓	✓
68,100	6812F	✓	✓	✓	✓
69,800	6982F	✓	✓	✓	✓
75,000	7502F	✓	✓	✓	✓
80,600	8062F	✓	✓	✓	✓
82,500	8252F	✓	✓	✓	✓
90,900	9092F	✓	✓	✓	✓
100,000	1003F	✓	✓	✓	✓
110,000	1103F	✓	✓	✓	✓
121,000	1213F	✓	✓	✓	✓
130,000	1303F	✓	✓	✓	✓
140,000	1403F	✓	✓	✓	✓
150,000	1503F	✓	✓	✓	✓
158,000	1583F	✓	✓	✓	✓
178,000	1783F	✓	✓	✓	✓
200,000	2003F	✓	✓	✓	✓
210,000	2103F	✓	✓	✓	✓
221,000	2213F	✓	✓	✓	✓
232,000	2323F	✓	✓	✓	✓
267,000	2673F	✓	✓	✓	✓
301,000	3013F	✓	✓	✓	✓
511,000	5113F	✓	✓	✓	✓
750,000	7503F	✓	✓	✓	✓
1,000,000	1004F	✓	✓	✓	✓