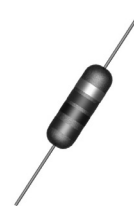


FEATURES

- Resistances from 10Ohm to 3MOhms
- Power Rating to 1 Watts
- Resistance Tolerances to $\pm 0.025\%$
- TCR's to $\pm 5\text{ppm/K}$
- Convenient RN Type Package Styles



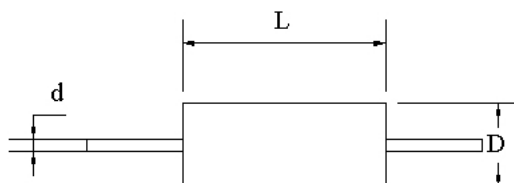
Pb-free
Available
RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS

Type	MP50	MP55	MP60	MP65	MP70
MIL-R-10509F	RN50	RN55	RN60	RN65	RN70
DIN-44061	0204	0207	0411	0617	0719
Resistance Range	10Ohms to 1M50hms	10Ohms to 3MOhms			
Power rating (70°C)	0.125W	0.25W	0.5W	0.75W	1W
Tolerances	0.025% / 0.05% / 0.10% / 0.25% / 0.5%				
Temperature Coefficient	5 / 10 / 15 / 25ppm/K				
Operating Voltage (Umax)	200V	250V	300V	350V	400V
Short Time Overload Voltage	400V	500V	600V	700V	800V
Operating Temperature Range	-55 to 125°C				
Max. Resistance Change at rated power $\Delta R/R$ max after 1000h	$\leq 0.05\%$				
Insulation Resistance	$> 1\text{G}$				
Insulation Voltage	$> 500\text{V}$				

FIGURE 3 – DIMENSIONS

Type	MP50	MP55	MP60	MP65	MP70
Dimensions in mm [inches]					
L	3.9 [0.14]	6.8 [0.27]	10.0 [0.39]	15 [0.98]	18.3 [0.72]
D	1.6 [0.06]	2.5 [0.1]	3.7 [0.15]	5.2 [0.20]	6.5 [0.26]
d	0.5 [0.02]	0.6 [0.024]	0.6 [0.024]	0.6 [0.024]	0.8 [0.031]
Tolerance	± 0.1 [0.003]	± 0.1 [0.003]	± 0.1 [0.003]	± 0.1 [0.003]	± 0.1 [0.003]



ORDERING INFORMATION

Part Number - Resistance - Tolerance - TCR

MP 50 100R0 0.5% 25ppm



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