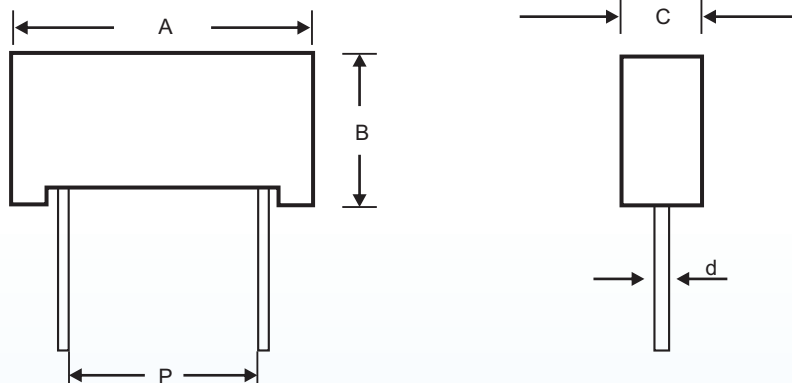


High Precision and Stability Moulded Radial Resistors

Series: MRR

Features:

- ▶ Very high tolerance $\pm 0.01\%$ to $\pm 1\%$
- ▶ Very low temperature co-efficient
- ▶ Electrical insulation $> 10^6 M\Omega$
- ▶ Very High Stability



Dimension :

WATTAGE	A	B	C	P	d
0.5W	14 \pm 0.5 (mm)	10.5 \pm 0.5 (mm)	5 \pm 0.3 (mm)	10 \pm 0.5 (mm)	0.60 \pm 0.05(mm)
1W	14 \pm 0.5 (mm)	10.5 \pm 0.5 (mm)	5 \pm 0.3 (mm)	10 \pm 0.5 (mm)	0.60 \pm 0.05(mm)

Performance Data

TEST	CONDITION	REQUIREMENTS	TYPICAL
Short Time Overload	2.5 x Rated Voltage Duration : 5 sec.	$\pm 0.2\%$	$\pm 0.05\%$
Load Life	Rated Voltage at 70°C ambient Duration : 2000 Hrs.	$\pm 0.5\%$	$\pm 0.2\%$
Robustness of Terminations	Tensile : 10N Duration 10 Sec. Bending : 180°, > 3 Bends Torsion : 3 Rotation of 360° Each	$\pm 0.2\%$	$\pm 0.05\%$
Resistance to Soldering Heat	Temp. 260°C \pm 5°C Duration : 10 Sec.	$\pm 0.1\%$	$\pm 0.05\%$
Vibration (High Frequency)	10 to 2000 Hz : m/S ²	$\pm 0.2\%$	$\pm 0.05\%$
High Temp. Exposure	At +155°C Duration : 16 Hrs. No Load Condition	$\pm 0.5\%$	$\pm 0.1\%$
Temperature cycling	At -55°C At +155°C	$\pm 0.2\%$	$\pm 0.025\%$

Electrical Specification :

Qualified Ohmic Range	80R6 to 120K
Insulation Resistance	> 10 ⁶ M

Power Rating

In order to increase stability, it is recommended to reduce the nominal power (Pr) in relation with tolerance.

For $\pm 0.1\%$ to $\pm 0.05\%$ Power = Pr x 0.75

For $\pm 0.02\%$ to $\pm 0.01\%$ Power = Pr x 0.5

Noise

< 0.025 microV/V RMS (> - 32dB)

Derating Curve

