## **Power Metal Fixed Resistors**

### Performance Specification

Short Time Overload  $\pm (2.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Dielectric Withstanding Voltage No evidence of flashover, mechanical damage, arcing or insulation breakdown.

Pulse Overload  $\pm (5.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Terminal Strength No evidence of mechanical damage.

Resistance to Soldering Heat  $\pm (1.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Solderability Min. 95% coverage.

Resistance to Solvent No deterioration of protective coating and markings.

Temperature Cycling  $\pm (2.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage. Humidity (Steady state)  $\pm (2.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Load Life In Humidity  $<100K\Omega$ :  $\pm(5.0\% + 0.05\Omega)Max$ 

≥100K $\Omega$ : ±(10.0% + 0.05 $\Omega$ )Max

Load Life <100K $\Omega$ :  $\pm(5.0\% + 0.05\Omega)$ Max

≥100K $\Omega$ : ±(10.0% + 0.05 $\Omega$ )Max

### Ordering Procedure: Ex.: PMR 1W-SSS +/-5% 100Ω, T/B-1000

#### P 1 M R 0 Т J 0 1 Α 1 0 Type: Resistance Value: PMR=Power Metal E-24 series: 1st digit is "0" 2<sup>nd</sup> & 3<sup>nd</sup> digits are the significant figures of the resistance Feature: Wattage: 4th indicates the number of zeros: 1T = 1W-SSS 0 = Standard "J" ~ 0.1, "K" ~ 0.01 2S = 2W-S**Ex**.: $4.7\Omega$ , ~47J, $4.7K\Omega$ ~ 472 3S = 3W-S· E-96 series: 1st to 3nd digits are the significant Tolerance: figures of the resistance and $G = \pm 2\%$ the 4th digit indicates the number $J = \pm 5\%$ of zeros. $K = \pm 10\%$ **Ex**.: $1.33 \text{ K}\Omega = 1331$ Packing Type: A = Tape/Box T = Tape/Reel B = Bulk/BoxP = Tape/Box of PT-26mm Packing Qty: 1 = 1,000 pcs. 2 = 2,000 pcs.5 = 5,000 pcs. A = 500 pcs.B = 2,500 pcs. 0 = Bulk/BoxAdditional Information: 0 = PT-52mm, PT-26mm,Standard lead wire for Bulk/Box 7 = Lead wire (H=38mm) 8 = PT-58mm9 = PT-64mmA = PT-83mmC = PT-73mmD = PT-71mm



# **ROYALOHM**

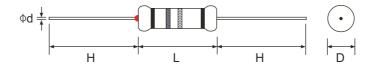
## **Power Metal Fixed Resistors**

## Features

- High Power, small in dimension
- Stable performance against environment conditions
- · Define interruption behavior
- Application: All general purpose power application



Standard: 2% ,5% ,10% -- E - 24 series



Part No.	Style	Power Rating at 70°C	Dimension (mm)					Max Working	Max Overload	Dielectric Withstanding	Resistance	TCR	Std Packing
			D Max	L Max	H±3	d±0.05	PT	Voltage	Voltage	Voltage	Range	(PPM/C)	Qty
PMR01T	PMR 1W -SSS	R<1Ω 0.6W	0.6W	6.5	25	0.54	52	350V	400V	350V	$0.56\Omega$ ~ $100$ K $\Omega$	±350	5,000
			2.5								$101 \textrm{K}\Omega \textrm{~}470 \textrm{K}\Omega$	±400	
		R>1Ω 1W									471ΚΩ~1ΜΩ	±800	
PMR02S	PMR 2W-S	2W	4.0	11.0	25	0.75	52	500V	600V	350V	3.9Ω~100ΚΩ	±350	1,000
											101ΚΩ~680ΚΩ	±400	
PMR03S	PMR 3W-S	3W	5.5	16.0	25	0.75	64	750V	800V	350V	12Ω~100ΚΩ	±350	1,000
											101ΚΩ~180ΚΩ	±400	

