

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

≥100KΩ: ±(10.0% + 0.05Ω)Max

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

≥100K Ω : ±(10.0% + 0.05 Ω)Max

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

Ρ 1 M R 0 Т J 0 0 1 Α 5 0 Type: Resistance Value: PMR=Power Metal E-24 series: 1st digit is "0" 2nd & 3nd 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**.: 4.7Ω , ~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/BoxT = 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





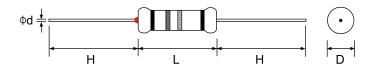
Power Metal Fixed Resistors

Features

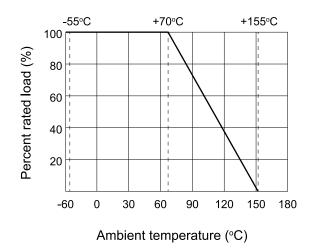
- High Power, small in dimension
- Stable performance against environment conditions
- · Define interruption behavior
- Application: All general purpose power application

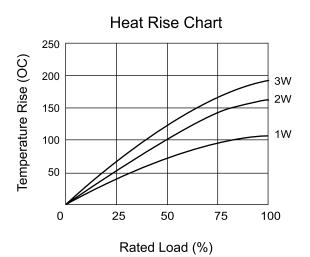


Standard: 2% ,5% ,10% -- E - 24 series



| 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) | 2.5 | 6.5 | 25 | 0.54 | 52 | 350V | 400V | 350V | 0.56Ω~100ΚΩ | ±350 | 5,000 |
| | | | | | | | | | | | 101ΚΩ~470ΚΩ | ±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 | |







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FSQ5WR47J FW10A33R0JA CPCC03R5000JB31 CPCC0510R00JE32 CPCC051R000JB31 CPCP10500R0JE32 CPW05700R0JE143
CPW152K500JE313 C1010RJL C10R47JL C141K0JL C144R7JL ES05W100RJ SQM10-1R SQM10-47R SQM5-0R47 SQMW1047RJ
CPCC03R2000JB31 CPCC0515R00JE01 CPW055R000JB143 CPW103K300JE143 CPW202R000JB14 ULW5-39R0JT075 W31-R47JA1
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