

PVR12/50 Vitreous Enamelled Resistor

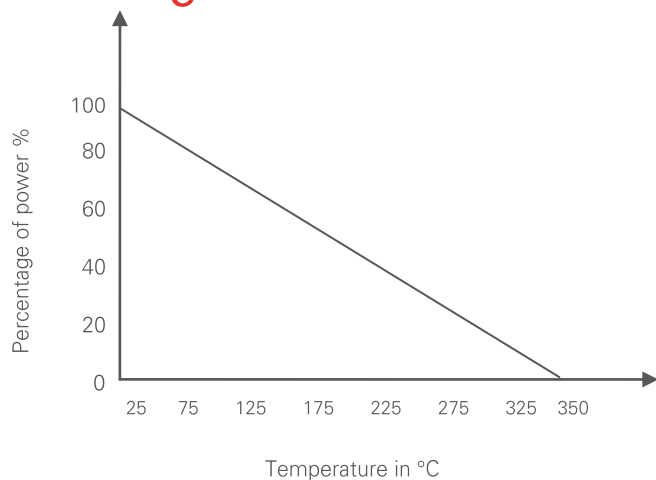


- 25 watts rating
- Resistance range R1 to 12K
- Tolerance J

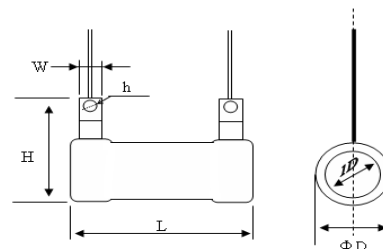
Electrical specifications

Test Item	Test Method	Specifications
Overload	10 times of rated voltage for 5 seconds	$\Delta R_{\leq \pm} (1\%R + 0.05\Omega)$
Solderability	Solder temperature : $235^{\circ}\text{C} \pm 5^{\circ}\text{C}$ For $2s \pm 0.5s$	Free flow of solder
Resistance to solder heat	Solder temperature : $350^{\circ}\text{C} \pm 10^{\circ}\text{C}$ For $3.5s \pm 0.5s$	$\Delta R_{\leq \pm} (1\%R + 0.05\Omega)$
Vibration	Vibration frequency : 10 ~ 500Hz Acceleration 98m/S^2 for 6 hours continuously	$\Delta R_{\leq \pm} (2\%R + 0.05\Omega)$
Shock	Acceleration 490m/S^2 for 11mS for 18 times	$\Delta R_{\leq \pm} (1\%R + 0.05\Omega)$ No damage
Fast temperature change	$-55^{\circ}\text{C} / 200^{\circ}\text{C}$ for 5 cycles	$\Delta R_{\leq \pm} (1\%R + 0.05\Omega)$
Constant damp heat	Temperature : $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Humidity : 90% ~ 95% for 56 hours	$\Delta R_{\leq \pm} (5\%R + 0.05\Omega)$
Endurance at room temperature	Test for 1000 hours. Constant reading at 48 hours, 500 hours and 1000 hours	$R_{\leq \pm} (5\%R + 0.05\Omega)$
Temperature Rise	Apply rated voltage to stable heat	$\leq 245^{\circ}\text{C}$

Derating Curve



Dimensions



PVR12/50 (in mm)	L	H	W	Ø D	1D	D	I	h
	50.8 ± 1	25 ± 1.5	6.4 ± 1	14.3 ± 1.5	7.9 ± 1	1	37 ± 2	4

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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.