

# V-A Axial Wirewound Vitreous Enamelled Resistors



- 5W to 14W power rating
- All welded construction
- High overload and pulse handling capability
- RoHS Compliant



## Characteristics

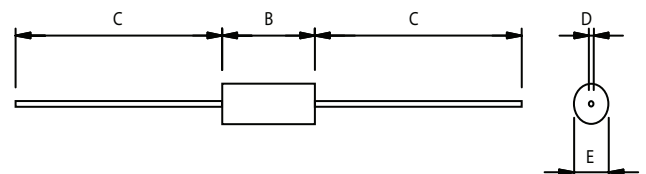
Tolerance (Code):	± 5% (J)
Operating temperature:	-55°C to +350°C
Overload:	10x Power rating for 5 seconds, $\Delta R \leq \pm(1\% R + 0.05\Omega)$
Solderability:	Bath temperature 235°C ±5°C, dipping time 2s ±0.5s; solder flows on terminal ends
Terminal strength:	≤4.3W 10N, ≥6W 20N: $\Delta R \leq \pm(1\% R + 0.05\Omega)$
Shock:	Acceleration 490m/s <sup>2</sup> , impulse waveform half sinusoidal wave, continuous impulse times 11ms, for a total of 18 times - 3 mutually perpendicular directions on the shock of 3 times: $\Delta R \leq \pm(1\% R + 0.05\Omega)$
Vibration:	Range 10 - 500Hz, acceleration 98m/s <sup>2</sup> , time 6 hours: $\Delta R \leq \pm(2\% R + 0.1\Omega)$
Fast temperature change:	ΘA = -55°C, ΘB = ±200°C, 5 cycles: $\Delta R \leq \pm(1\% R + 0.05\Omega)$
Load life:	Continuous testing time: 1000h, check at 48h, 500h and 1000h: $\Delta R \leq \pm(5\% R + 0.1\Omega)$

## Electrical Specifications

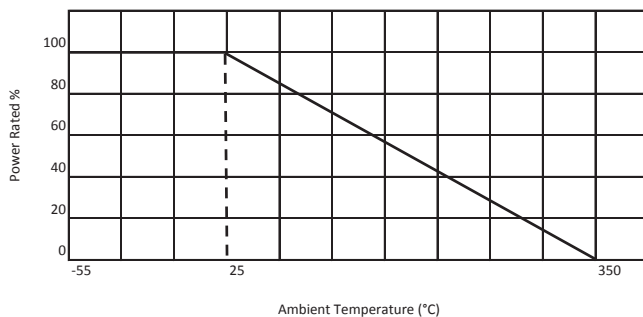
Type	Wattage	Resistance E24 preferred values
V5A	5	R1 - 8K
V10A	10	R1 - 10K
V14A	14	10R - 15K

## Dimensions (mm)

Type	B (max)	E (max)	D (±0.5)	C ±1
V5A	7	23	0.8	26.5
V10A	8	38.1	0.8	35
V14A	8	53.5	0.8	35



## Derating Curve



## Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance  
i.e. V10A 10R J

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