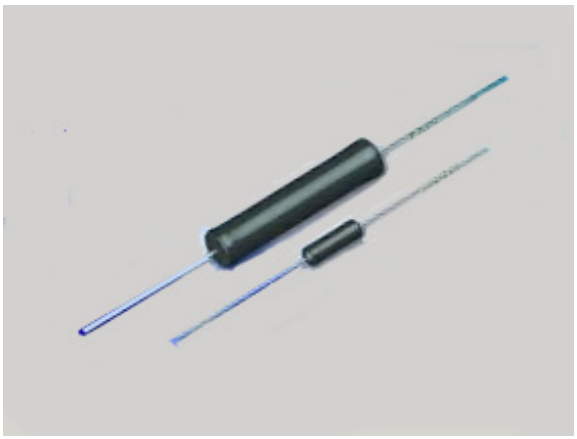
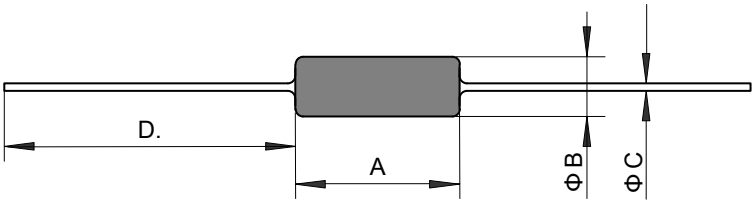
3W - 14W VITREOUS ENAMEL WIREWOUND RESISTORS
VT−3, VT−5, VT−7, VT−10, VT−14



Features and Applications

-55 °C - +350 °C operating temperature glass enamel coated wire wound resistor.
Wide 0.1Ω to 100kΩ resistance range and 1% tolerance contribute to make circuit design flexibility.
High overload and pulse handling conform to all power electronics.
Applications include industrial power electronics, industrial measurements, automatic testing, switching power supplies, motor control electronics, inrush current protection in automotive electronics, industrial power supplies.

Dimensions (mm)



Type	Wattage Rating	Dimension A Inch (mm)	Dimension B Inch (mm)	Dimension C Inch (mm)	Dimension D Inch (mm)	Resistance Range Ohms	Maximum Working Voltage
	@25°C	Max.	Max.				(V)
VT-3	3.0	0.500 (12.7)	0.220 (5.6)	0.032 (0.8)	1.05 (26.5)	0.1 - 10k	100
VT-5	5.0	0.906 (23.0)	0.276 (7.0)	0.032 (0.8)	1.05 (26.5)	0.1 - 20k	160
VT-7	7.0	0.874 (22.2)	0.315 (8.0)	0.032 (0.8)	1.05 (26.5)	0.1 - 22k	200
VT-10	10.0	1.500 (38.1)	0.315 (8.0)	0.032 (0.8)	1.38 (35.0)	0.1 - 68k	500
VT-14	14.0	2.106 (53.5)	0.315 (8.0)	0.032 (0.8)	1.38 (35.0)	0.1 - 100k	750

The termination are solderable to a minimum of 2mm from the body. Lead Diameter, 20AWG = 0.032”

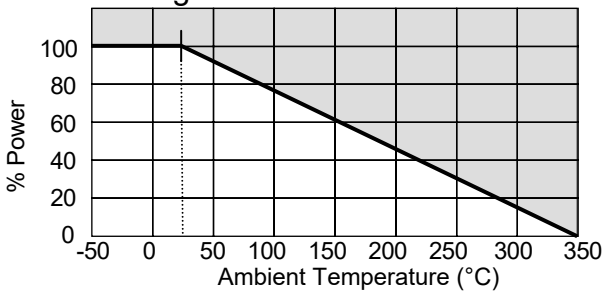
Ordering Information

Type	*n/a*	*Resistance*	*Tolerance*	*Packaging*	*Remarks*
VT - 3	_	10 ohm	F	Z00	
|	|	|	|	|	|
VT-3	_	Any value	F (+/-1.0%)	Z00 (1000 pcs bulk)	Inductive
VT-5		0.1 Ω to	J (+/-5.0%)		
VT-7		Max. value	K (+/-10%)		
VT-10					
VT-14					

Specifications

Specifications	Value
Tolerance	+/-1%, +/-5%, +/-10%
Temperature Coefficient	Standard +200ppm/K, Typical +100ppm/K
Temperature Range	-55°C to 350°C
Dielectric Strength	1500VAC
Construction	Non - flammable Enamel Coating
Environmental Performance	MIL-STD202 ΔR
Dielectric	+/- 1.0% +0.05Ω
Load Life	+/- 5.0% +0.05Ω
Storage	+/- 1.0% +0.05Ω
Moisture Resistance	+/- 5.0% +0.05Ω
Thermal Shock	+/- 1.0% +0.05Ω
10 x Overload, 5 seconds	+/- 1.0% +0.05Ω
Mechanical Shock	+/- 1.0% +0.05Ω
Vibration	+/- 1.0% +0.05Ω

Derating



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