

VT Series

Vitreous Enamel Wirewound Resistors



- All Welded Construction
- Resistances from 0.1 to 100kOhms
- Tolerance to $\pm 1\%$
- High Overload and Pulse Handling
- Power Rating to 14Watts

SPECIFICATIONS

Type	Power Rating W @ 25°C	Maximum Voltage	Resistance Range	L MAX	D MAX	I Nominal	d ¹ ± 0.003 [± 0.08]
VT-3	3	100	0.1 to 10k	0.500 [12.7]	0.220 [5.6]	1.05 [26.5]	0.032 [0.8]
VT-5	5	160	0.1 to 20k	0.906 [23.0]	0.276 [7.0]	1.05 [26.5]	0.032 [0.8]
VT-7	7	200	0.1 to 22k	0.874 [22.2]	0.315 [8.0]	1.05 [26.5]	0.032 [0.8]
VT-10	10	500	0.1 to 68k	1.500 [38.1]	0.315 [8.0]	1.38 [35]	0.032 [0.8]
VT-14	14	750	0.1 to 100k	2.106 [53.5]	0.315 [8.0]	1.38 [35]	0.032 [0.8]

¹ Lead Diameter: 20 AWG = 0.032"



Ordering Information

Part Number - Resistance - Tolerance
Example: VT-5 100 Ohm 1%

SPECIFICATIONS (continued)

Specification	Value
Tolerances	±1% / ±2% / ±5% / ±10%
Temperature Coefficient	Standard : +200ppm/K / Typical : +100ppm/K
Temperature Range	-55°C to +350°C
Dielectric Strength	1500 VAC
Constuction	Non-Flammable Enamel Coating All welded terminations
Environmental Performance <small>(MIL-STD 202)</small>	ΔR
Dielectric	±1% + 0.05Ω
Load Life	±5% + 0.05Ω
Storage	±1% + 0.05Ω
Moisture Resistance	±5% + 0.05Ω
Thermal Shock	±1% + 0.05Ω
10X Overload (5s)	±1% + 0.05Ω
Shock	±1% + 0.05Ω
Vibration	±1% + 0.05Ω

Power Derating Curve

