

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]

¹Lead Diameter: 20 AWG = 0.032"



* The terminations are solderable to a minimum of 2mm from the body (1.5mm available upon request.)

Ordering Information

Part Description: Part Type - Resistance - Tolerance

Example: VT-5 100 Ohm 1%

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SPECIFICATIONS (continued)

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

Power Derating Curve

