

Bulk Metal® Foil Technology Power Current Sensing Resistors

with TCR of 5 ppm/°C and Power Rating up to 7 W

FEATURES

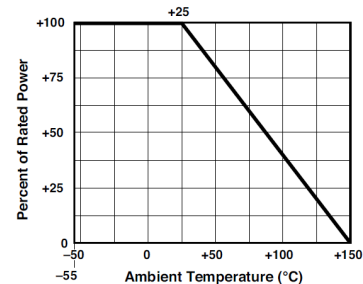
- Temperature coefficient of resistance (TCR):
±5 ppm/°C (above 10 Ω)
±10 ppm/°C (below 10 Ω)
- Tolerance: to ±0.01%
- Resistance range: 1 Ω to 100 kΩ
- Non inductive, non capacitive design
- Non hot spot design
- Terminal finishes available:
lead (Pb)-free; tin/lead alloy



RoHS*
COMPLIANT

Specifications				
MODEL NUMBER	RESISTANCE RANGE (Ω)	TOLERANCE TO	MAXIMUM WORKING VOLTAGE	POWER ⁽¹⁾ RATING at 25°C
VPR5	1 to 10	±0.1%	300 V	5 W
	>10 to 100	±0.05%		
	>100 to 100K	±0.01%		
VPR7	1 to 10	±0.1%	300 V	7 W
	>10 to 100	±0.05%		
	>100 to 100K	±0.01%		

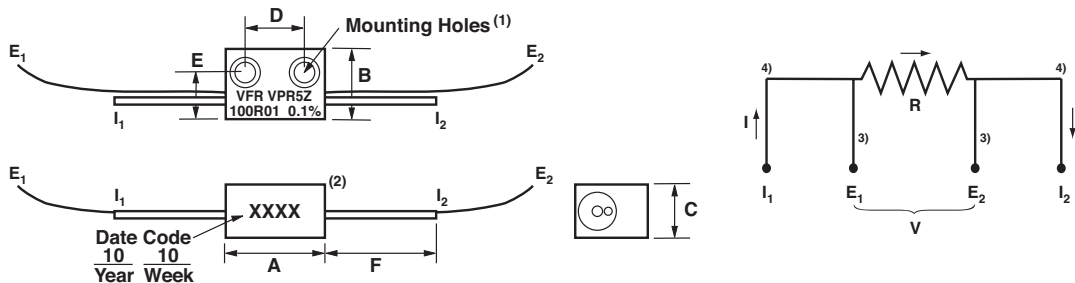
Power Derating Curve



Notes

⁽¹⁾ Mounted on aluminum chassis (6 in L x 4 in W x 2 in H x 0.040 in Th) per MIL-R-39009/1B.

Standard Imprinting and Dimensions



DIMENSIONS

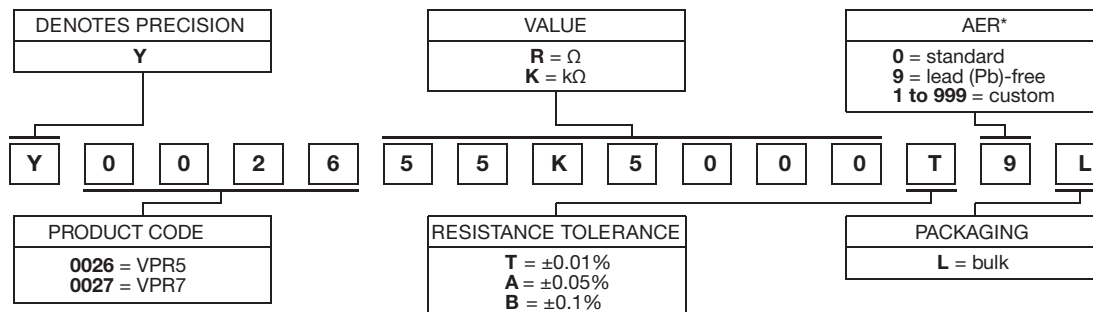
A		B		C		D		E		F (min)	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
0.625	15.88	0.450	11.43	0.312	7.93	0.400	10.16	0.350	8.89	1.500	38.10
1.030	26.16	0.450	11.43	0.312	7.93	0.788	20.02	0.350	8.89	1.375	34.90

Notes

- ⁽¹⁾ #4-40 F.H. machine screw (not included)
⁽²⁾ Anodized aluminum housing
⁽³⁾ #26 AWG, teflon coated, 4 in min.
⁽⁴⁾ #20 AWG, solder coated copper

Global Part Number Information

NEW GLOBAL PART NUMBER: Y002625K5000T9L (preferred part number format)



FOR EXAMPLE: ABOVE GLOBAL ORDER Y0026 25K2500 T 9 L:

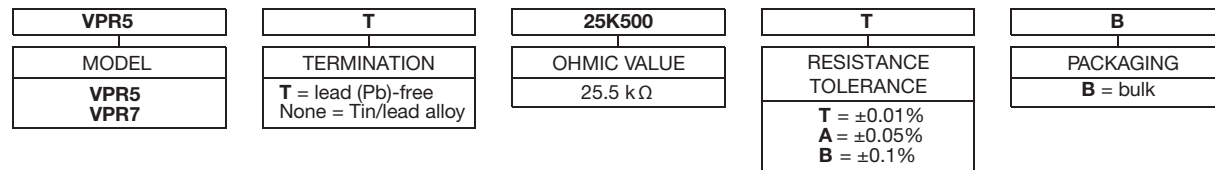
TYPE: VPR5

VALUE: 25.5 k Ω ABSOLUTE TOLERANCE: $\pm 0.01\%$

TERMINATION: lead (Pb)-free

PACKAGING: bulk

HISTORICAL PART NUMBER: VPR100T 25K250 T B (will continue to be used)



Note

* For non-standard requests, please contact application engineering.