

Stainless Steel Power Resistor



FEATURES

- High power capability up to 20 kW at 40 °C ⁽¹⁾
- Operating temperature range:
-25 °C to +250 °C
- Protection IP00 to IP23
- Material categorization:
for definitions of compliance please see
www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

Note

- ⁽¹⁾ Max. permissible operating voltage $U_L = 600 \text{ V}$, EN 1000 V_{DC} , testing voltage 2.7 kV_{AC} 1 s, unforced cooling

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE VALUE ⁽¹⁾⁽²⁾ Ω	TOLERANCE $\pm \%$	POWER RATING ⁽²⁾ W	TEMPERATURE COEFFICIENT ppm/K
VSGR050	0.1 to 54	10	5K	250
VSGR100	0.2 to 75	10	10K	250
VSGR150	0.2 to 51	10	15K	250
VSGR200	0.3 to 36	10	20K	250

Notes

- ⁽¹⁾ Resistance values to be selected from E24
⁽²⁾ Other values on request

PART NUMBER AND PRODUCT DESCRIPTION

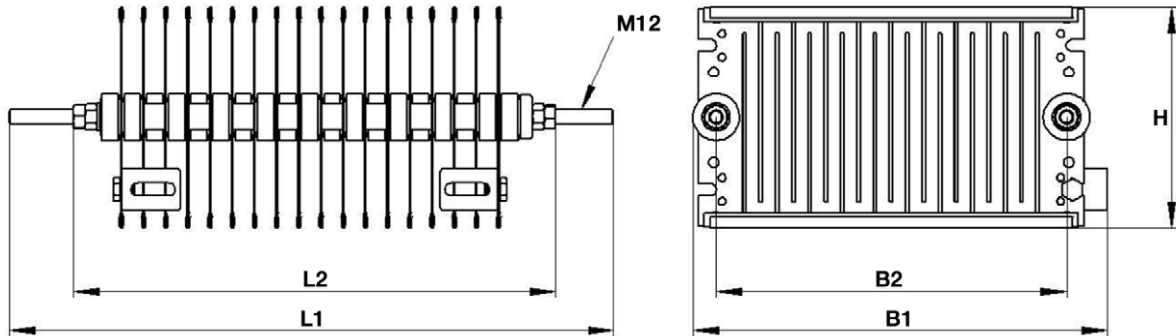
Part Number: VSGR0501008K90LX00

V S G R 0 5 0 1 0 0 8 K 9 0 L X 0 0

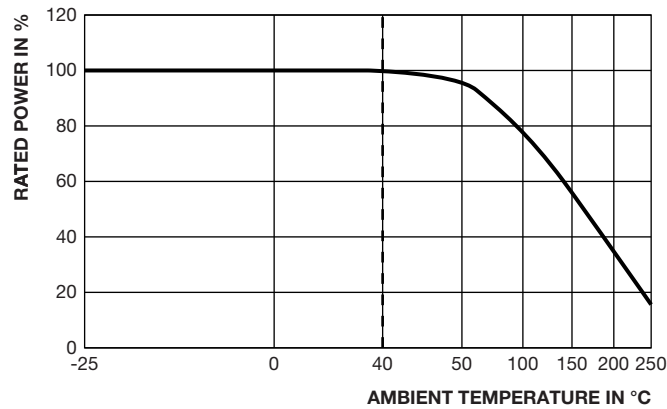
MODEL	VARIANT	VALUE	TOLERANCE	TCR	PROTECTION	PACKAGING	SPECIAL
VSGR	Examples: 050 = 5 kW 085 = 8.5 kW 100 = 10 kW SPC = customized	3 digit value 1 digit multiplier MULTIPLIER 7 = *10 ⁻³ 8 = *10 ⁻² 9 = *10 ⁻¹ 0 = *10 ⁰ 1 = *10 ¹ 2 = *10 ² 3 = *10 ³	K = $\pm 10 \%$	9 = 250 ppm	0 = IP00 1 = IP20 2 = IP23	LX = bulk, quantity free	00 = standard For special issues 2 digits code will be edited by marketing

Product Description: VSGR 5 1R0 10 % 250 LX

VSGR	5	1R0	10 %	250	LX
MODEL	VARIANT	VALUE	TOLERANCE	TCR	SPECIAL

DIMENSIONS


MODEL	DIMENSIONS in millimeters				
	L1 max.	L2 max.	B1 max.	B2 max.	H max.
VSGR	930	840	360	300	200

FUNCTIONAL PERFORMANCE

Derating



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