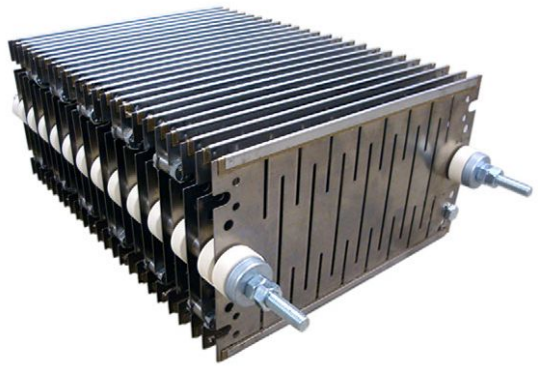
Stainless Steel Power Resistor



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

Pb-free

RoHS COMPLIANT

HALOGEN FREE GREEN (5-2008)

Note

(1) Max. permissible operating voltage UL = 600 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 ± %	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** = ± 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

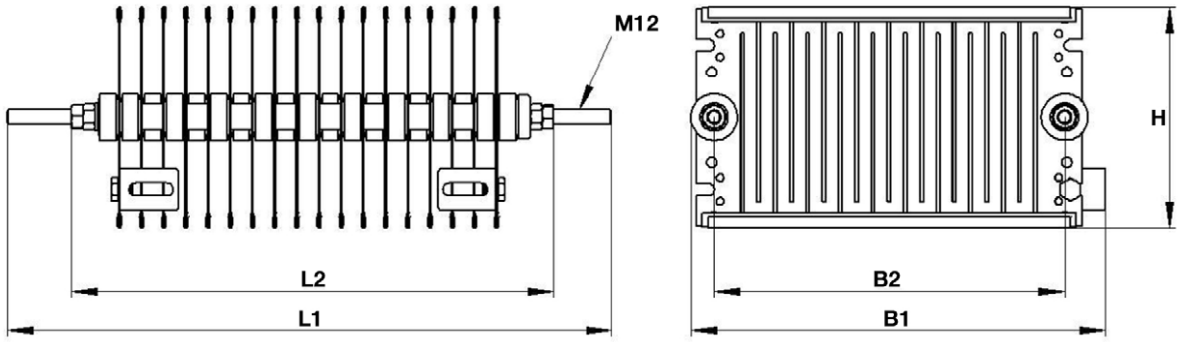
Product Description: VSGR 5 1R0 10 % 250 LX

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

For technical questions, contact: powresistor@vishay.com

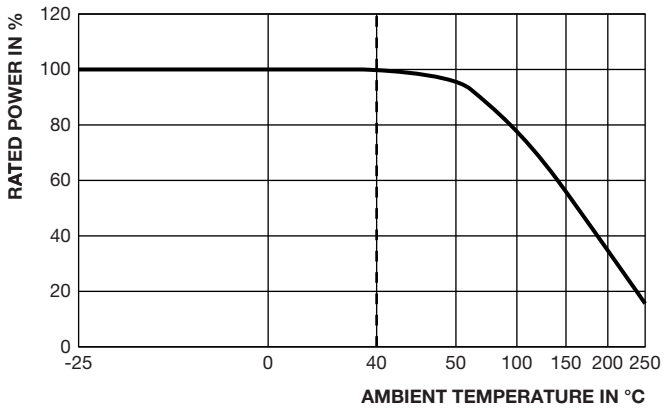
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DIMENSIONS



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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