Features:

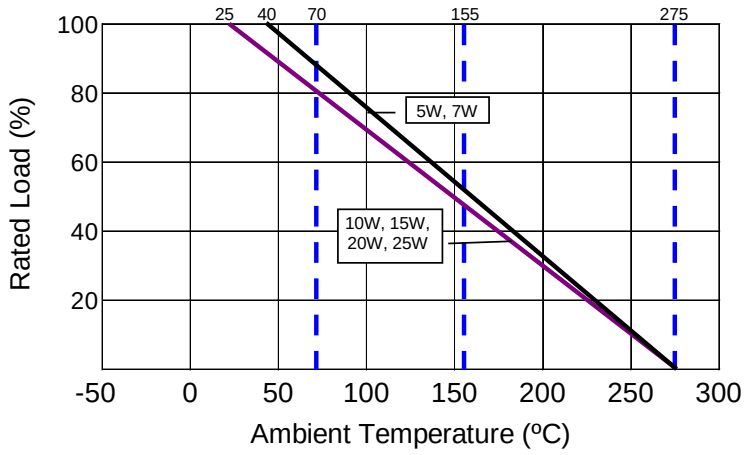
- Flameproof inorganic construction
- High temperature potting compound
- Non-inductive available up to 50Ω
- RoHS compliant, lead-free and halogen-free

Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70ºC	Maximum Working Voltage	Resistance Temperature Coefficient	Ohmic Range(Ω) and Tolerance	
				Wirewound 5%	Metal Oxide 5%
BVM5	5W	200V	±300 ppm/ºC	0.1 - 200	200 - 50K
BVM7	7W	350V	±300 ppm/ºC	0.1 - 300	300 - 20K
BVM10	10W	500V	±300 ppm/ºC	0.1 - 500	500 - 20K
BVM15	15W	540V	±300 ppm/ºC	0.1 - 680	680 - 15K
BVM20	20W	600V	±300 ppm/ºC	0.1 - 820	820 - 15K
BVM25	25W	600V	±300 ppm/ºC	0.1 - 820	820 - 15K

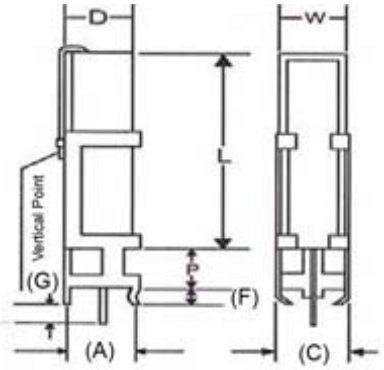
Maximum Working voltage is limited by √PR

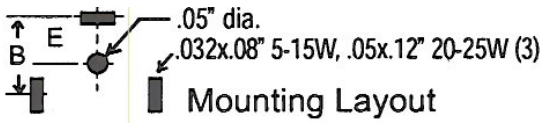
Performance Characteristics	
Test	Test Specification
Moisture Resistance	± 5%
Thermal Shock	± 2%
Load Life @ 70°C - 1,000 hours	± 5%
Resistance to Soldering Heat	± 2%
Short Time Overload - 5xPn for 5 seconds	± 2%
Dielectric Withstanding Voltage	± 2%

Power Derating Curve:



Mechanical Specifications





Type / Code	(A)	(C)	(F)	(G)	B	Unit
BVM5	0.433 ± 0.039 11.00 ± 1.00	0.433 ± 0.039 11.00 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.394 ± 0.039 10.00 ± 1.00	inches mm
BVM7	0.433 ± 0.039 11.00 ± 1.00	0.433 ± 0.039 11.00 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.394 ± 0.039 10.00 ± 1.00	inches mm
BVM10	0.433 ± 0.039 11.00 ± 1.00	0.433 ± 0.039 11.00 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.394 ± 0.039 10.00 ± 1.00	inches mm
BVM15	0.571 ± 0.039 14.50 ± 1.00	0.571 ± 0.039 14.50 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.500 ± 0.039 12.70 ± 1.00	inches mm
BVM20	0.591 ± 0.039 15.00 ± 1.00	0.591 ± 0.039 15.00 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.500 ± 0.039 12.70 ± 1.00	inches mm
BVM25	0.591 ± 0.039 15.00 ± 1.00	0.591 ± 0.039 15.00 ± 1.00	0.157 ± 0.024 4.00 ± 0.60	0.197 ± 0.118 5.00 ± 3.00	0.500 ± 0.039 12.70 ± 1.00	inches mm

Type / Code	E	D	L	P	W	Unit
BVM5	0.197 ± 0.059 5.00 ± 1.50	0.354 ± 0.039 9.00 ± 1.00	0.866 ± 0.039 22.00 ± 1.00	0.197 ± 0.079 5.00 ± 2.00	0.394 ± 0.079 10.00 ± 2.00	inches mm
BVM7	0.197 ± 0.059 5.00 ± 1.50	0.354 ± 0.039 9.00 ± 1.00	1.378 ± 0.039 35.00 ± 1.00	0.394 ± 0.079 10.00 ± 2.00	0.394 ± 0.079 10.00 ± 2.00	inches mm
BVM10	0.197 ± 0.059 5.00 ± 1.50	0.354 ± 0.039 9.00 ± 1.00	1.890 ± 0.039 48.00 ± 1.00	0.394 ± 0.079 10.00 ± 2.00	0.394 ± 0.079 10.00 ± 2.00	inches mm
BVM15	0.264 ± 0.059 6.70 ± 1.50	0.492 ± 0.039 12.50 ± 1.00	1.929 ± 0.039 49.00 ± 1.00	0.394 ± 0.079 10.00 ± 2.00	0.492 ± 0.079 12.50 ± 2.00	inches mm
BVM20	0.276 ± 0.059 7.00 ± 1.50	0.512 ± 0.039 13.00 ± 1.00	2.362 ± 0.039 60.00 ± 1.00	0.394 ± 0.079 10.00 ± 2.00	0.512 ± 0.079 13.00 ± 2.00	inches mm
BVM25	0.276 ± 0.059 7.00 ± 1.50	0.512 ± 0.039 13.00 ± 1.00	2.362 ± 0.039 60.00 ± 1.00	0.394 ± 0.079 10.00 ± 2.00	0.512 ± 0.079 13.00 ± 2.00	inches mm

RoHS Compliance

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union's directive regarding "Restrictions on Hazardous Substances" (RoHS 3). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament as amended by Directive (EU) 2015/863/EU as regards the list of restricted substances.

RoHS Compliance Status

Standard Product Series	Description	Package / Termination Type	Standard Series RoHS Compliant	Lead-Free Termination Composition	Lead-Free Mfg. Effective Date (Std Product Series)	Lead-Free Effective Date Code (YY/WW)
BVM	Ceramic Housed Vertical Wirewound Bracket Mount Resistor	Special	YES	100% Matte Sn	Always	Always

"Conflict Metals" Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the "conflict region" of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

Compliance to "REACH"

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, "The Registration, Evaluation, Authorization and Restriction of Chemicals", otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

How to Order

1	2	3	4	5	6	7	8	9	10
B	**V**	**M**	**5**	**J**	**B**	**2**	**R**	**2**	**0**

Product Series	
Code	Description
BVM	Bracket Mounted

Power Rating	
Code	Power
5	5W
7	7W
10	10W
15	15W
20	20W
25	25W

Tolerance	
Code	Tol
J	5%

Packaging			
Code	Description	Size	Quantity
B	Bulk	All Sizes	1,000

Resistance Value
Four characters with the multiplier used as the decimal holder.
0.1 ohm = R100 10 ohm = 10R0 1.5 Kohm = 1K50