

# Series PHV

Surge test up to 325 kV (1.2/50  $\mu$ s) under potting surrounding



A Miba Group Company

1/1

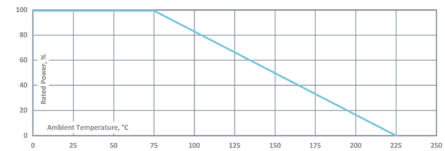
## Features

- up to 60 kV operating voltage
- Non-Inductive design
- ROHS compliant



## Technical Specifications

<b>Resistance value</b>	500 $\Omega$ $\leq$ 1 G $\Omega$ (other values on special request)
<b>Resistance tolerance</b>	$\pm 1$ % to $\pm 10$ %
<b>Temperature coefficient</b>	$\pm 100$ ppm/ $^{\circ}$ C from +25 $^{\circ}$ C to +85 $^{\circ}$ C (down to $\pm 15$ ppm possible, ask for details)
<b>Maximum working voltage</b>	60 kV DC
<b>Dielectric strength</b>	$\leq 10$ kV DC based on the coating
<b>Insulation resistance</b>	10 G $\Omega$ min. at 1,000 V DC
<b>Power rating</b>	see model specifications below
<b>Load life</b>	1,000 hours at rated power at 70 $^{\circ}$ C, $\Delta R$ 0.20 % max.
<b>Load life stability</b>	0.20 % per 1,000 hours at 70 $^{\circ}$ C
<b>Moisture resistance</b>	MIL-Std-202, method 106, $\Delta R$ 0.4 % max.
<b>Thermal shock</b>	MIL-Std-202, method 107, Cond. A, $\Delta R$ 0.20 % max.
<b>Encapsulation</b>	2xpolyimide coating for use in oil and potted applications (other coating options available. ask for details)
<b>Lead material</b>	OFHC copper, tin-plated
<b>Other terminals available</b>	screw end caps (6/32", M4, custom), golden leads with diameter 0,8 mm available
<b>Weight</b>	depending on model no. (ask for details)



## How to make a request

Model no.\_Ohmic value\_Tolerance\_TCR

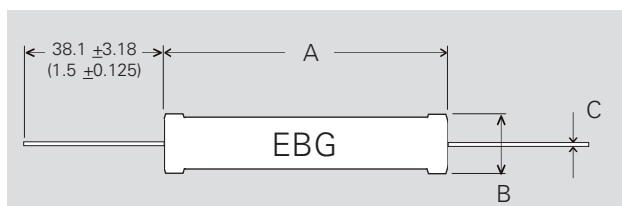
For example:

PHV-52 150M 10% 100ppm

## Model Specifications

Model no.	Wattage	Max. kV	Resistance values		Dimensions in millimeters (inches)		
			Min. $\Omega$	Max. $\Omega$	A $\pm 0.50$ $\pm 0.02$	B $\pm 0.50$ $\pm 0.02$	C $\pm 0.05$ $\pm 0.002$
PHV-39	5.2	12.80	500 $\Omega$	1 G	39.50 (1.555)	8.20 (0.323)	1.00 (0.040)
PHV-52	7.2	16	500 $\Omega$	1 G	52.10 (2.051)	8.20 (0.323)	1.00 (0.040)
PHV-78	11	24	500 $\Omega$	1 G	77.70 (3.059)	8.20 (0.323)	1.00 (0.040)
PHV-103	12	32	500 $\Omega$	1 G	102.90 (4.051)	8.20 (0.323)	1.00 (0.040)
PHV-200	25	60	500 $\Omega$	1 G	192.00 (7.559)	8.20 (0.323)	1.00 (0.040)

## Dimensions in mm [inches]



The above spec. sheet features our standard products. For further options please contact our local EBG representative or contact us directly.

sales@ebg-resistors.com · sales@ebg-us.com

# Disclaimer



A Miba Group Company

The given statements and information herein are recommendations for the use of our products and are based on our experience in combination with applicable technical standards.

They are for guidance only and do not represent any assurance of characteristics or warranty commitments for the products or their suitability for specific applications.

The suitability of the products for the intended use by the user depends on different boundary conditions and influencing factors and is to be assessed exclusively by the user.

**DISCLAIMER:**

NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, IS MADE WITH RESPECT TO THE PRODUCTS, DESIGNS, DATA, INFORMATION DESCRIBED OR ANY INTELLECTUAL PROPERTY CONTAINED THEREIN. ANY WARRANTY OR GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS ALSO EXCLUDED.

The given statements and information herein reflect the current status at the time of publication.

Typing or printing errors cannot be excluded.

This publication shall not be reprinted or reproduced in whole or in part in any form or by any means without the express written permission of EBG.