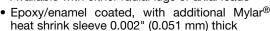


Carbon Film Resistors, General Purpose, High Voltage



FEATURES

- Ratings to 10 W, 40 kV
- · Available with either radial lugs or axial leads





- ± 20 % tolerance standard, tolerances of ± 15 %, ± 10 % and ± 5 % available
- See models D and G for special purpose high RoHS' Available
 voltage carbon film resistors
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Note

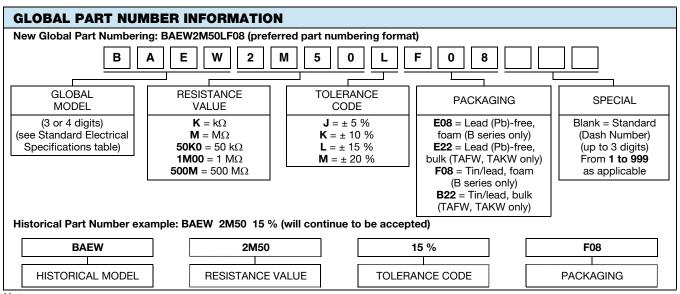
This datasheet provides information about parts that are RoHS-compliant and / or parts that are non-RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details.

STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	POWER RATING P _{25 °C} W	MAXIMUM WORKING VOLTAGE (1) V	RESISTANCE RANGE ⁽²⁾ Ω	TOLERANCE (3) ± %	STYLE	
BAEW	0.5	2.5K	50K to 500M	5, 10, 15, 20	2	
BAKW	1	5K	100K to 500M	5, 10, 15, 20	2	
BBF	1	3.5K	50K to 500M	5, 10, 15, 20	1	
BBFW	1	3.5K	50K to 500M	5, 10, 15, 20	2	
BBM	2	7.5K	50K to 500M	5, 10, 15, 20	1	
BBMW	2	7.5K	50K to 500M	5, 10, 15, 20	2	
BBR	3	15K	100K to 500M	5, 10, 15, 20	1	
BBRW	3	15K	100K to 500M	5, 10, 15, 20	2	
BBV	5	30K	200K to 500M	5, 10, 15, 20	1	
BFQ	4	15K	100K to 500M	5, 10, 15, 20	1	
BFT	6	25K	200K to 500M	5, 10, 15, 20	1	
BFW	10	40K	400K to 500M	5, 10, 15, 20	1	
TAFW	1	5K	1M to 500M	5, 10, 15, 20	3	
TAKW	1.5	7.5K	1M to 500M	5, 10, 15, 20	3	

Notes

Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less.

 $^{^{(3)}}$ ± 20 % standard, ± 5 %, ± 10 %, and ± 15 % are available.



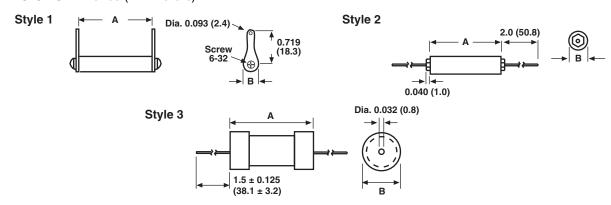
Note

• For additional information on packaging, refer to the Through Hole Resistor Packaging document (<u>www.vishay.com/doc?31544</u>).

⁽²⁾ All resistance values are calibrated at 100 V_{DC}-calibration at other voltages available on request. Contact factory for availability of values outside the listed range.



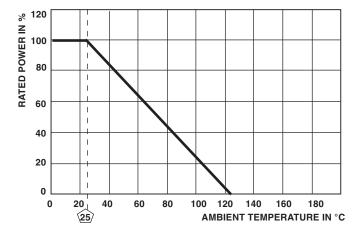
DIMENSIONS in inches (millimeters)

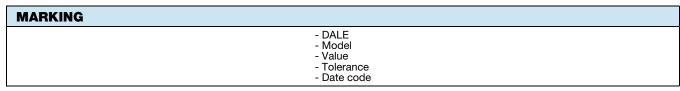


GLOBAL MODEL	STYLE	A	В
BAEW	2	0.75 (19.05)	0.250 (6.35)
BAKW	2	1.50 (38.10)	0.250 (6.35)
BBF	1	1.00 (25.40)	0.313 (7.95)
BBFW	2	1.00 (25.40)	0.313 (7.95)
BBM	1	1.75 (44.45)	0.313 (7.95)
BBMW	2	1.75 (44.45)	0.313 (7.95)
BBR	1	3.00 (76.20)	0.313 (7.95)
BBRW	2	3.00 (76.20)	0.313 (7.95)
BBV	1	5.50 (139.70)	0.313 (7.95)
BFQ	1	2.50 (63.50)	0.563 (14.30)
BFT	1	4.00 (101.60)	0.563 (14.30)
BFW	1	6.50 (165.10)	0.563 (14.30)
TAFW	3	1.05 ± 0.05 (26.70 ± 1.30)	$0.275 \pm 0.020 (7.00 \pm 0.50)$
TAKW	3	1.55 ± 0.05 (39.40 ± 1.30)	$0.275 \pm 0.020 (7.00 \pm 0.50)$

Note

DERATING





Models B axial leads are #20 AWG tinned copper. All other dimensional tolerances for styles 1 and 2, unless otherwise specified are ± 0.016"
 [0.406 mm] or ± 1 %, whichever is greater.



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