

Carbon Film Resistors, General Purpose, High Voltage



FEATURES

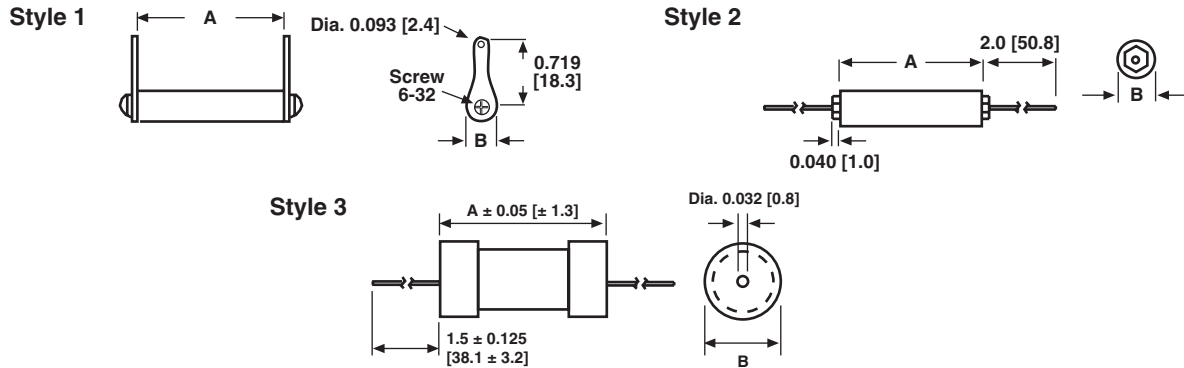
- Ratings to 10 W, 40 kV
- Available with either radial lugs or axial leads
- Epoxy/enamel coated, with additional Mylar® heat shrink sleeve 0.002" [0.051 mm] thick
- ± 20 % tolerance standard, tolerances of ± 15 %, ± 10 % and ± 5 % available
- See models D and G for special purpose high voltage carbon film resistors

STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	POWER RATING $P_{25\text{ }^\circ\text{C}}$ W	VOLTAGE RATING	RESISTANCE Ω		STYLE
			MIN	MAX	
BAEW	0.5	2.5 kV	50K	500M	2
BAKW	1	5 kV	100K	500M	2
BBF	1	3.5 kV	50K	500M	1
BBFW	1	3.5 kV	50K	500M	2
BBM	2	7.5 kV	50K	500M	1
BBMW	2	7.5 kV	50K	500M	2
BBR	3	15 kV	100K	500M	1
BBRW	3	15 kV	100K	500M	2
BBV	5	30 kV	200K	500M	1
BFQ	4	15 kV	100K	500M	1
BFT	6	25 kV	200K	500M	1
BFW	10	40 kV	400K	500M	1
TAKW	1.5	7.5 kV	1M	500M	3

Note:

- Standard resistance tolerance is ± 20 %. Tolerances of ± 15 %, ± 10 % and ± 5 % are available. All resistance values are calibrated at 100 VDC. Calibration at other voltages available upon request. Contact factory for availability of values outside the listed range.

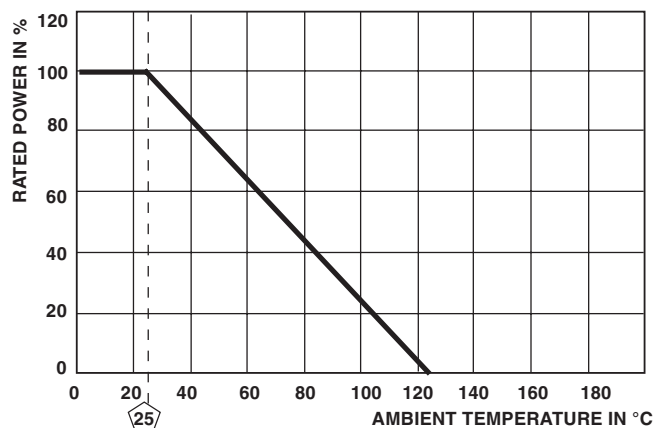
GLOBAL PART NUMBER INFORMATION				
New Global Part Numbering: BAEW2M50LF08 (preferred part numbering format)				
B	A	E	W	2 M 5 0 L F 0 8
GLOBAL MODEL (3 or 4 digits) (see Standard Electrical Specifications table)	RESISTANCE VALUE K = Thousand M = Million 50K0 = 50 k Ω 1M00 = 1.0 M Ω 500M = 500 M Ω	TOLERANCE CODE J = ± 5 % K = ± 10 % L = ± 15 % M = ± 20 %	PACKAGING COEFFICIENT E08 = Lead (Pb)-free, Foam F08 = Tin/Lead, Foam	SPECIAL Blank = Standard (Dash Number) (up to 3 digits) From 1 - 999 as applicable
Historical Part Number example: BAEW2M5015% (will continue to be accepted)				
BAEW	2M50	15 %	F08	
HISTORICAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING	

DIMENSIONS in inches [millimeters]


GLOBAL MODEL	STYLE	A	B
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]
TAKW	3	1.55 [39.40]	0.275 ± 0.020 [7.00 ± 0.50]

Note:

- Models B axial leads are #20 AWG tinned copper. All other Dimensional tolerances for styles 1, 2, and 3, unless otherwise specified are $\pm 0.016''$ [0.406 mm] for $\pm 1\%$, whichever is greater.


DERATING
MARKING

- DALE
- Model
- Value
- Tolerance
- Date code



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