

Carbon Film Resistors, Special Purpose, High Voltage



FEATURES

- Ratings to 100 W, 125 kV
- Available with either radial bands or ferrule terminals
- Standard models epoxy/enamel coated, additional vinyl heat shrink sleeve available for added protection
- Model G is non-inductive
- $\pm 20\%$ tolerance standard, tolerances of $\pm 15\%$, $\pm 10\%$ and $\pm 5\%$ available
- See Models B and T for General Purpose High Voltage Carbon Film Resistors

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{70^\circ\text{C}}$ W	VOLTAGE RATING	RESISTANCE Ω		STYLE	
				MINIMUM	MAXIMUM		
DJU	DJU	10	25 kV	50K	500M	3	
DPW	DPW	20	35 kV	100K	500M	3	
DPW..1	DPW-1	20	35 kV	100K	500M	4	
DPX	DPX	30	65 kV	100K	500M	3	
DPX..1	DPX-1	30	65 kV	100K	500M	4	
DVY	DVY	60	90 kV	400K	500M	3	
DVY..1	DVY-1	60	90 kV	400K	500M	4	
DZW	DZW	35	40 kV	300K	500M	3	
DZW..1	DZW-1	35	40 kV	300K	500M	4	
DZZ	DZZ	100	125 kV	700K	500M	3	
DZZ..1	DZZ-1	100	125 kV	700K	500M	4	
Non-Inductive	GJU	GJU	10	16 kV	1K	1M	3
	GPW	GPW	20	18 kV	1K	1M	3
	GPW..1	GPW-1	20	18 kV	1K	1M	4
	GPX	GPX	30	25 kV	1K	1M	3
	GPX..1	GPX-1	30	25 kV	1K	1M	4
	GVY	GVY	60	30 kV	1K	5M	3
	GVY..1	GVY-1	60	30 kV	1K	5M	4
	GZW	GZW	35	20 kV	1K	1M	3
	GZW..1	GZW-1	35	20 kV	1K	1M	4
	GZZ	GZZ	100	32 kV	1K	10M	3
GZZ..1	GZZ-1	100	32 kV	1K	10M	4	

Note:

- Standard resistance tolerance is $\pm 20\%$. Tolerances of $\pm 15\%$, $\pm 10\%$, and $\pm 5\%$ are available. All resistance values are calibrated at 100 VDC. Calibration at other voltages available upon request.

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: DPW2M50LB191 (preferred part numbering format)

D P W 2 M 5 0 L B 1 9 1

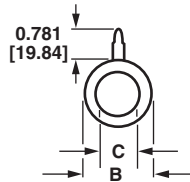
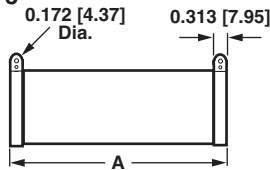
GLOBAL MODEL (See Standard Electrical Specifications table)	RESISTANCE VALUE R = Decimal K = Thousand M = Million 100R = 100 Ω 13K0 = 13 k Ω 500M = 500 M Ω	TOLERANCE CODE J = $\pm 5\%$ K = $\pm 10\%$ L = $\pm 15\%$ M = $\pm 20\%$	PACKAGING E19 = Lead (Pb)-free, Bulk E03 = Lead (Pb)-free, Skin B19 = Tin/Lead, Bulk J03 = Tin/Lead, Skin	SPECIAL Blank = Standard (Dash Number) (up to 3 digits) From 1 - 999 as applicable 1 = Ferrule Terminals
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Historical Part Number example: DPW-12M50L (will continue to be accepted)

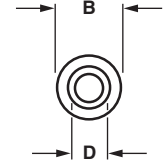
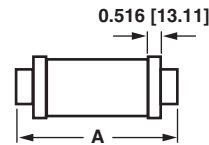
DPW-1	2M50	L	B19
HISTORICAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING

DIMENSIONS in inches [millimeters]

Style 3



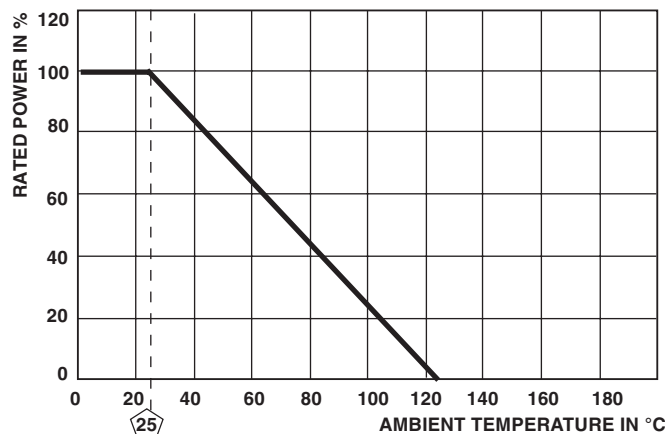
Style 4



GLOBAL MODEL	STYLE	A	B ⁽¹⁾	C	D
DJU	3	4.50 [114.30]	0.750 [19.05]	0.50 [12.70]	N/A
DPW	3	6.50 [165.10]	1.13 [28.70]	0.75 [19.05]	N/A
DPW..1	4	7.69 [195.33]	1.13 [28.70]	N/A	0.812 [20.62]
DPX	3	10.50 [266.70]	1.13 [28.70]	0.75 [19.05]	N/A
DPX..1	4	11.69 [296.93]	1.13 [28.70]	N/A	0.812 [20.62]
DVY	3	14.50 [368.30]	1.50 [38.10]	1.13 [28.70]	N/A
DVY..1	4	15.69 [398.53]	1.50 [38.10]	N/A	1.14 [28.96]
DZW	3	6.50 [165.10]	2.0 [50.80]	1.56 [39.62]	N/A
DZW..1	4	7.69 [195.33]	2.0 [50.80]	N/A	1.14 [28.96]
DZZ	3	18.50 [469.90]	2.0 [50.80]	1.56 [39.62]	N/A
DZZ..1	4	19.69 [500.13]	2.0 [50.80]	N/A	1.14 [28.96]
GJU	3	4.50 [114.30]	0.750 [19.05]	0.50 [12.70]	N/A
GPW	3	6.50 [165.10]	1.13 [28.70]	0.75 [19.05]	N/A
GPW..1	4	7.69 [195.33]	1.13 [28.70]	N/A	0.812 [20.62]
GPX	3	10.50 [266.70]	1.13 [28.70]	0.75 [19.05]	N/A
GPX..1	4	11.69 [296.93]	1.13 [28.70]	N/A	0.812 [20.62]
GVY	3	14.50 [368.30]	1.50 [38.10]	1.13 [28.70]	N/A
GVY..1	4	15.69 [398.53]	1.50 [38.10]	N/A	1.14 [28.96]
GZW	3	6.50 [165.10]	2.0 [50.80]	1.56 [39.62]	N/A
GZW..1	4	7.69 [195.33]	2.0 [50.80]	N/A	1.14 [28.96]
GZZ	3	18.50 [469.90]	2.0 [50.80]	1.56 [39.62]	N/A
GZZ..1	4	19.69 [500.13]	2.0 [50.80]	N/A	1.14 [28.96]

Note:

⁽¹⁾ Dimensional tolerances are $\pm 0.016''$ [0.406 mm] or $\pm 1\%$, whichever is greater.



DERATING

PART MARKING	
	- DALE - Model - Value - Tolerance - Date code



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