

Metal Oxide Resistors, Special Purpose, High Power, Ultra High Value



FEATURES

- Wattages to 400 W at + 25 °C
- Derated to 0 at + 230 °C
- Voltage testing to 100 kV
- Tolerance: $\pm 1\%$; $\pm 2\%$; $\pm 5\%$; $\pm 10\%$
- Two terminal styles, style 3 - tab terminal and style 4 - ferrule terminal
- TCR: ± 200 ppm/°C and ± 100 ppm/°C available, measured between + 25 °C and + 125 °C
- Coating: Blue flameproof
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


RoHS*
COMPLIANT

Note

* Lead (Pb)-containing terminations are not RoHS-compliant. Exemptions may apply.

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{25^\circ\text{C}}$ W	MAXIMUM WORKING VOLTAGE ⁽¹⁾ V	RESISTANCE RANGE Ω	TOLERANCE $\pm \%$	TEMPERATURE COEFFICIENT $\pm$ ppm/°C
RJU040	RJU-40	40	25K	1K to 1G	1, 2, 5, 10	100, 200
RJU050	RJU-50	50	33K	1K to 1G	1, 2, 5, 10	100, 200
RJU070	RJU-70	70	40K	1K to 1G	1, 2, 5, 10	100, 200
RJU095	RJU-95	95	35K	1K to 1G	1, 2, 5, 10	100, 200
RJU095..1	RJU-95-1	95	35K	1K to 1G	1, 2, 5, 10	100, 200
RJU140	RJU-140	140	65K	1K to 1G	1, 2, 5, 10	100, 200
RJU140..1	RJU-140-1	140	65K	1K to 1G	1, 2, 5, 10	100, 200
RJU275	RJU-275	275	90K	100K to 1G	1, 2, 5, 10	100, 200
RJU275..1	RJU-275-1	275	90K	100K to 1G	1, 2, 5, 10	100, 200
RJU150	RJU-150	150	40K	100K to 1G	1, 2, 5, 10	100, 200
RJU150..1	RJU-150-1	150	40K	100K to 1G	1, 2, 5, 10	100, 200
RJU400	RJU-400	400	125K	100K to 1G	1, 2, 5, 10	100, 200
RJU400..1	RJU-400-1	400	125K	100K to 1G	1, 2, 5, 10	100, 200

Notes

- All resistance values are calibrated at 100 V_{DC}. Calibration at other voltages upon request.
- (1) Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less.

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: RJU0952M50KKF071 (preferred part numbering format)

R	J	U	0	9	5	2	M	5	0	K	K	F	0	7	1		
GLOBAL MODEL		RESISTANCE VALUE			TOLERANCE CODE			TEMP. COEFFICIENT		PACKAGING		SPECIAL					
(see Standard Electrical Specification table)		K = kΩ M = MΩ G = GΩ 1K00 = 1.0 kΩ 10M0 = 10 MΩ 1G00 = 1.0 GΩ			F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 %			K = 100 ppm N = 200 ppm		E07 = Lead (Pb)-free, foam F07 = Tin/lead, foam		Blank = Standard (Dash number) (Up to 3 digits) From 1 to 999 as applicable 1 = Ferrule terminal					

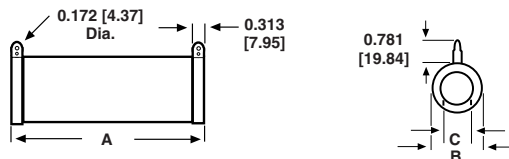
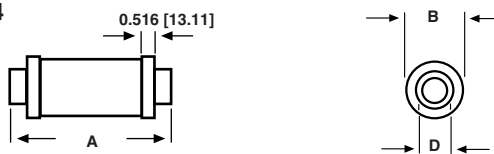
Historical Part Number: RJU-95-12M50KK (will continue to be accepted)

RJU-95-1	2M50	K	K	F07
HISTORICAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	TEMP. COEFFICIENT	PACKAGING

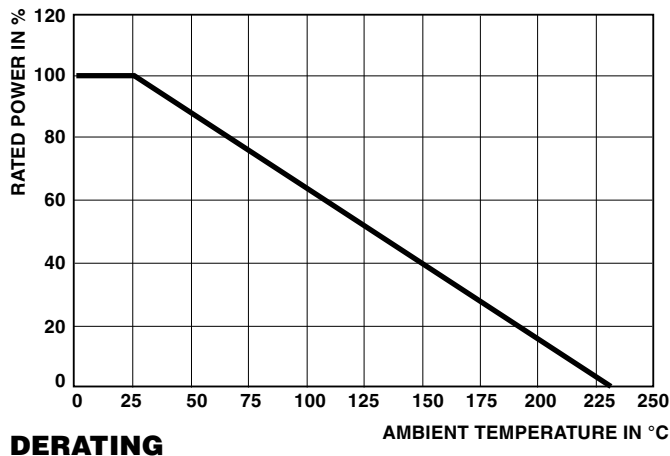
Note

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

DIMENSIONS in inches (millimeters)

Style 3

Style 4


GLOBAL MODEL	STYLE	A	B ⁽¹⁾	C	D
RJU040	3	4.500 (114.30)	0.750 (19.05)	0.500 (12.70)	N/A
RJU050	3	6.000 (152.40)	0.750 (19.05)	0.500 (12.70)	N/A
RJU070	3	8.000 (203.20)	0.750 (19.05)	0.500 (12.70)	N/A
RJU095	3	6.500 (165.10)	1.130 (28.70)	0.750 (19.05)	N/A
RJU095..1	4	7.690 (195.33)	1.130 (28.70)	N/A	0.812 (20.62)
RJU140	3	10.500 (266.70)	1.130 (28.70)	0.750 (19.05)	N/A
RJU140..1	4	11.690 (296.93)	1.130 (28.70)	N/A	0.812 (20.62)
RJU275	3	14.500 (368.30)	1.500 (38.10)	1.130 (28.70)	N/A
RJU275..1	4	15.690 (398.53)	1.500 (38.10)	N/A	1.140 (28.96)
RJU150	3	6.500 (165.10)	2.000 (50.80)	1.560 (39.62)	N/A
RJU150..1	4	7.690 (195.33)	2.000 (50.80)	N/A	1.140 (28.96)
RJU400	3	18.500 (469.90)	2.000 (50.80)	1.560 (39.62)	N/A
RJU400..1	4	19.690 (500.13)	2.000 (50.80)	N/A	1.140 (28.96)

Note
⁽¹⁾ Dimensional tolerances are ± 0.016 (0.406 mm) or $\pm 1\%$, whichever is greater.

MARKING

- DALE
- Model
- Value
- Tolerance
- Date code



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