



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*
Available

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	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)

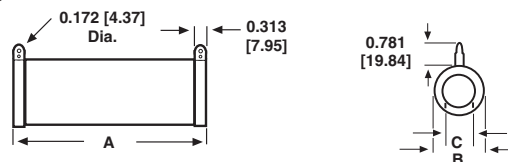
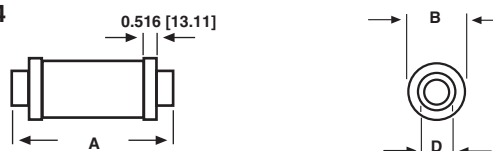
R	J	U	0	9	5	2	M	5	0	K	K	F	0	7	1		
GLOBAL MODEL (see Standard Electrical Specification table)			RESISTANCE VALUE K = kΩ M = MΩ G = GΩ 1K00 = 1.0 kΩ 10M0 = 10 MΩ 1G00 = 1.0 GΩ				TOLERANCE CODE F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ K = $\pm 10\%$			TEMP. COEFFICIENT K = 100 ppm N = 200 ppm		PACKAGING E07 = Lead (Pb)-free, foam F07 = Tin/lead, foam		SPECIAL 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

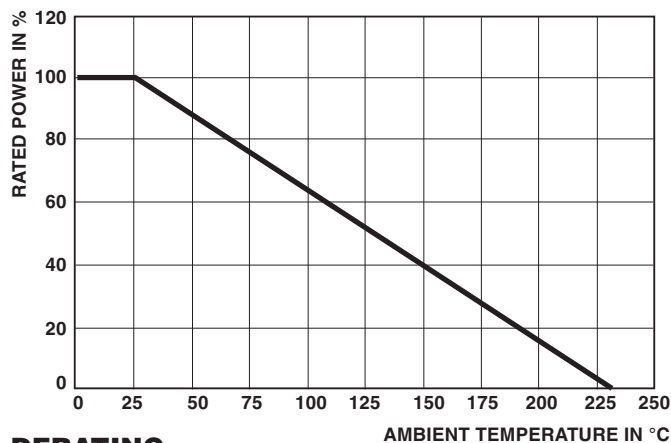
- For additional information on packaging, refer to the Through Hole Resistor Packaging document (www.vishay.com/doc?31544)

**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

**DERATING****MARKING**

- DALE
- Model
- Value
- Tolerance
- Date code



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