Metal Oxide Resistors, Special Purpose, High Voltage, Ratio Divider



FEATURES

- Higher ranges and different sizes available on request
- TCR: ± 200 ppm/°C standard, ± 100 ppm/°C available
- Tolerance ratio ± 1 %
- Available with leads and/or mounting lugs in any required combination

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{125\,°C}$ W	MAXIMUM WORKING VOLTAGE (R_1) (1) V	RESISTANCE RANGE Ω		TOLERANCE ± %	TEMPERATURE COEFFICIENT ± ppm/°C	MAXIMUM RATIO
				MIN. R_1	MAX. R_2			
RDX2	RDX-2	4.0	15.0K	2K	2G	1, 2, 5, 10	100, 200	5000:1
RDX3	RDX-3	5.0	22.5K	3K	10G	1, 2, 5, 10	100, 200	10 000:1
RDX4	RDX-4	7.0	30.0K	4K	10G	1, 2, 5, 10	100, 200	10 000:1
RDX5	RDX-5	8.0	37.5K	5K	10G	1, 2, 5, 10	100, 200	10 000:1
RDX6	RDX-6	10.0	45.0K	6K	10G	1, 2, 5, 10	100, 200	10 000:1
RDX7	RDX-7	12.0	52.5K	7K	10G	1, 2, 5, 10	100, 200	10 000:1

Note

(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: RDX3A2M50GNJ03AA (preferred part numbering format)

R	D	X	3	A	2	M	5	0	G	N	J	0	3	A	A		

GLOBAL MODEL	CONSTRUCTION	RESISTANCE VALUE (R_1)	TOLERANCE CODE	TEMP. COEFFICIENT	PACKAGING	RATIO	SPECIAL
RDX2 **RDX3** **RDX4** **RDX5** **RDX6** **RDX7**	**A** = Axial leads **B** = Radial tabs **C** = Radial ends, Axial tap	**K** = kΩ **M** = MΩ **G** = GΩ **2K00** = 2.0 kΩ **100M** = 100 MΩ **10G0** = 10 GΩ	**F** = ± 1 % **G** = ± 2 % **J** = ± 5 % **K** = ± 10 %	**K** = 100 ppm **N** = 200 ppm	**E03** = Lead (Pb)-free, skin **J03** = Tin/lead, skin	**AA** = 10 000:1 **AB** = 5 000:1 **AC** = 1000:1 **AD** = 2000:1 **ZZ** = Custom	Blank = Standard (Dash number) (Up to 2 digits) From **1 to 99** as applicable

Historical Part Number: RDX-3A2M50G10000:1M (will continue to be accepted)

RDX-3	A	2M50	G	10 000:1	M	J03
HISTORICAL MODEL	CONSTRUCTION	RESISTANCE VALUE	TOLERANCE CODE	RATIO	TEMP. COEFFICIENT	PACKAGING

DIMENSIONS in inches (millimeters)			
GLOBAL MODEL	**ELEMENT CONFIGURATION** [1]	**LENGTH MAXIMUM**	**DIAMETER MAXIMUM**
RDX2	ROX100, ROX100	2.620 (66.55)	0.325 (8.26)
RDX3	ROX200, ROX100	3.570 (90.70)	0.325 (8.26)
RDX4	ROX300, ROX100	4.570 (116.10)	0.325 (8.26)
RDX5	ROX400, ROX100	5.570 (141.50)	0.325 (8.26)
RDX6	ROX500, ROX100	6.570 (166.90)	0.325 (8.26)
RDX7	ROX600, ROX100	7.570 (192.30)	0.325 (8.26)

Note

[1] See ROX for dimensions

MARKING

- Dale
- Model
- Value
- Ratio
- Date code

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