

Metal Oxide Resistors Special Purpose, High Voltage, Ratio Divider



FEATURES

- Higher ranges and different sizes available on request
- $\pm 200\text{ppm}/^\circ\text{C}$ standard, $\pm 100\text{ppm}/^\circ\text{C}$ available
- Tolerance ratio $\pm 1\%$
- Available with leads and/or mounting lugs in any required combination

STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{125^\circ\text{C}}$ W	VOLTAGE R_1	RESISTANCE RANGE Ω		MAXIMUM RATIO
				Min. R1	Max. R2	
RDX2	RDX-2	4.0	15.0KV	2K	2G	5000:1
RDX3	RDX-3	5.0	22.5KV	3K	10G	10000:1
RDX4	RDX-4	7.0	30.0KV	4K	10G	10000:1
RDX5	RDX-5	8.0	37.5KV	5K	10G	10000:1
RDX6	RDX-6	10.0	45.0KV	6K	10G	10000:1
RDX7	RDX-7	12.0	52.5KV	7K	10G	10000:1

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	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 = Thousand M = Million G = Billion 2K00 = 2.0K Ω 100M = 100M Ω 10G0 = 10G Ω	F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$ K = $\pm 10\%$	K = 100ppm N = 200ppm	E03 = Lead Free, Skin J03 = Tin/Lead, Skin	AA = 10,000:1 ZZ = Custom	Blank = Standard (Dash Number) (up to 2 digits) From 1-99 as applicable										

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

RDX-3	A	2M50	G	10000:1	M	J03
HISTORICAL MODEL	CONSTRUCTION	RESISTANCE VALUE	TOLERANCE CODE	RATIO	TEMP. COEFFICIENT	PACKAGING



DIMENSIONS in inches [millimeters]

GLOBAL MODEL	ELEMENT CONFIGURATION*	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]

*See ROX for dimensions

MARKING
<p>— DALE — Model — Value — Ratio — Date code</p>



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.