

Non-Inductance Ceramic Tubular Resistors

**Tubular Resistor Offers Higher Energy Power
Dissipation & Higher Voltage Withstand**

▶ Preview

Power High Voltage Dividers and Resistors Type RMCD extend Token Electronic's advanced proprietary high voltage resistor technology to larger devices than have previously been available on the market.

The RMCD is the non-inductive tubular ceramic resistor. Because of the larger volume of resistive material, these resistors are capable of handling significantly higher pulsed power than their wirewound or metal film counterparts, making them suitable for rapid energy dumping and high energy pulse work.

This RMCD offer higher average power dissipation while retaining the advantages of high surge energy, high voltage withstand, and non-inductance. It is especially useful in RF applications such as transmitters and modulators, where the tube configuration provides more effective convection cooling.

In addition, this RMCD HV resistor and divider provides high peak voltage and power energy combined with extremely high working voltage. These specifications can provide important improvements in performance in many types of advanced electronic systems, including TWT power supplies, radar systems, X-ray systems, analytical equipment and high resolution CRT displays.

Token will also produce devices outside these specifications to meet customer requirements, with comprehensive application engineering and design support available for customers worldwide. Contact us for details with your specific needs.

▶ Features

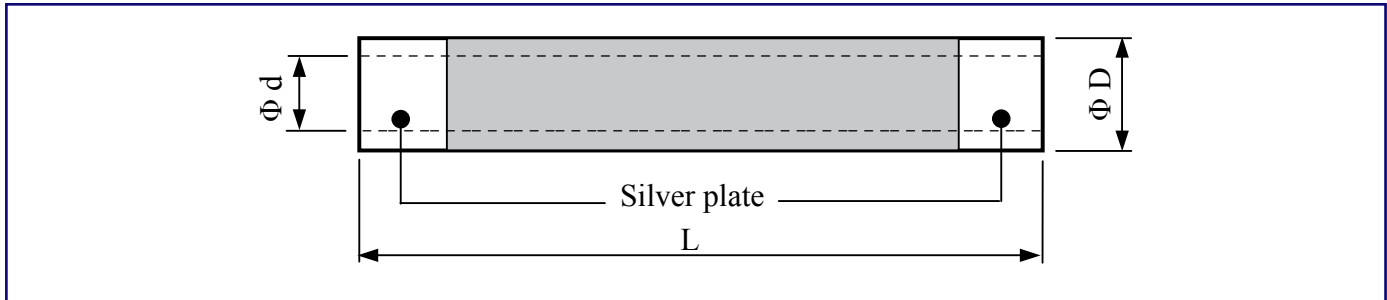
- Heavy load characteristics
- Inductance only 0.4 μ H max.
- Resistance tolerance K(\pm 10%).
- Typical resistance range 75 ohm ~ 1 Kohm.
- Peak voltage up to 74 KV, Power (W) up to 100W.

▶ Applications

- X-Ray, Lasers, Medical Defibrillators,
- Dynamic Braking, Soft-start/Current-limit,
- Radar, Motor Drives, Broadcast Transmitters,
- Snubber Circuits, Dummy Loads, Energy Research
- RF Amplifiers, Semiconductor Process, Power Conditioning



General Specifications (Unit: mm)

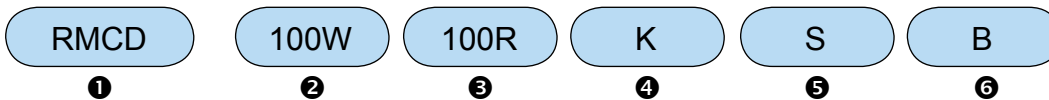


Type	Dimensions (mm)			Resistance (Ω)	Tolerance (%)	Energy (KJ)	Peak Voltage (KV)	Power (W)
	L±3.0	ΦD±2.0	Φd±2.0					
RMCD-100	305	25.4	15.5	75 ~ 1K	±10	30	75	100
RMCD-90	250	25.4	15.5			25	60	90
RMCD-70	200	25.4	15.5			20	45	70
RMCD-50	150	25.4	15.5			15	30	50
RMCD-35	100	25.4	15.5			10	15	35

Electrical Characteristics

Type	Power Rating	Temperature Coefficient	Resistivity	Specific Heat	Inductance	Density	Max. Operating Temperature
RMCD	35 ~ 100W	-500 ~ -1500PPM/°C	5 ~ 80Ω·cm	2J/cm ³ ·°C	0.4μH max	2.25g/cm ³	220°C max

How to Order



- ① Part Number: RMCD
- ② Rated Power (W): 35W, 502W, 70W, 90W, 100W
- ③ Resistance Value (Ω)

Code	Resistance Value (Ω)
82R	82Ω
100R	100Ω
470R	470Ω
820R	820Ω
1K	1KΩ

- ④ Resistance Tolerance (%)

Code	Resistance Tolerance
K	±10%

- ⑤ Silver plate terminal

- ⑥ Color: B (black)

Code	Color
B	black

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