

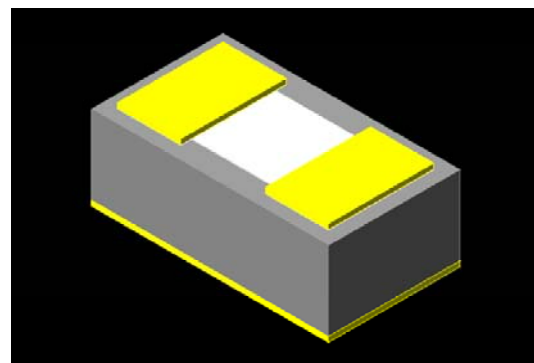
# RPC0603DR Series

## HIGH POWER HIGH FREQUENCY CVD DIAMOND CHIP RESISTORS

The RPC0603DR series of resistors offers excellent power handling capabilities and frequency response to 20 GHz. The superior thermal properties of CVD diamond (high conductivity and low expansion) makes these resistors ideal for pulsed power applications. The mechanical and electrical characteristics of these chips provide a robust solution for many aerospace and military applications while its standardized production process keeps the cost competitive for commercial use.

### Features:

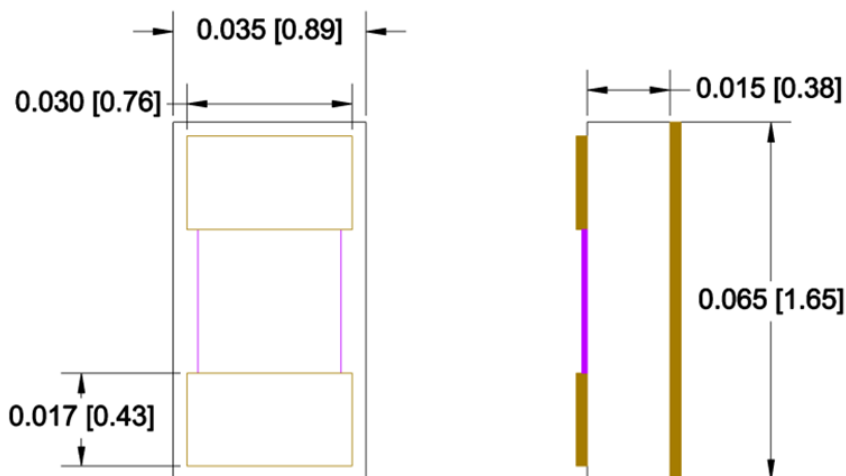
- High power
- Low capacitance
- Total thin film
- Excellent pulsed power handling
- RoHS compliant



### Specifications:

- Resistance: 50 and 100 Ohms, +/-5%
- Frequency: DC – 20 GHz
- Power: 50 Watts
- Capacitance: 0.2 pF Max
- Operating temperature: -55 °C to 150 °C
- CVD diamond substrate
- Solderable or wire bondable terminals

### Mechanical Outline



Dimensions are in inches [mm]

P.O. BOX 18802, Clearwater, FL 33762  
1-800-526-0704

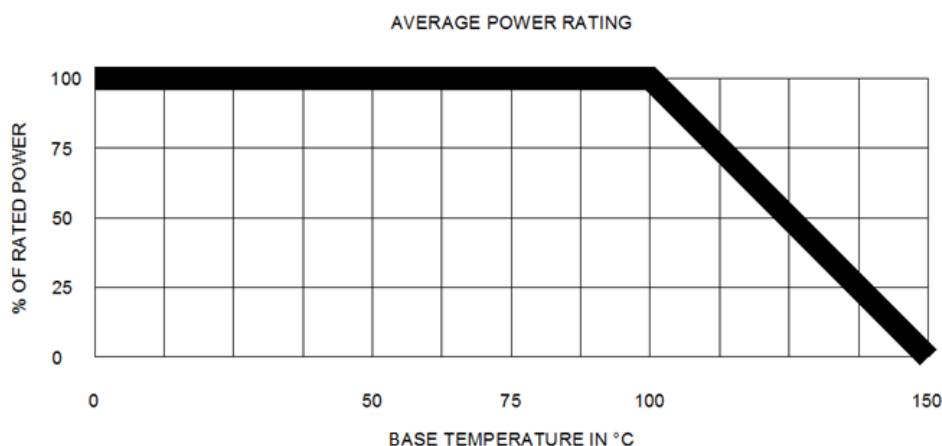
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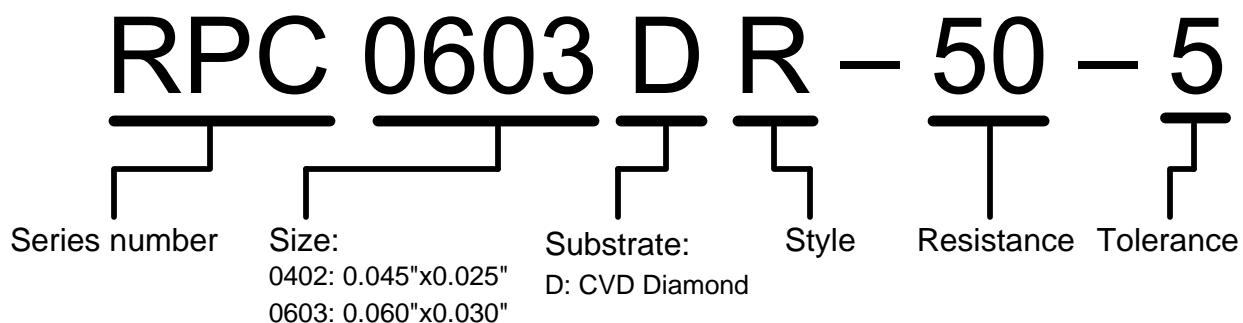
The terminals of the RD0402 series can be used for soldered or wire bonding applications. The recommended attachment to heat sink is by soldering. Some de-rating needs to be applied when using epoxy as method of attachment, this de-rating depends on the thermal properties of the epoxy and technique applied.

These resistors are RoHS compliant and can be offered in waffle pack or tape and reel.

### Power Rating



### Ordering Information



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