CROHM Series CWM

Mica Wirewound Resistor

Product Application

Crohm Series CWM resistor coils are frequently used for light duty braking of variable frequency drives, heating applications and various AC and DC load applications. The Series CWM resistors are available in resistance values ranging from 300 ohms – 2000 ohms. Typical wattage ratings are 250 watts per coil



Product Design

Crohm Series CWM Mica-wirewound resistors feature a high quality stainless resistor alloy wound around a high temperature mica body. The resistor element is attached to the mica board with 10-24 hardware which acts as the resistor terminals. The open-type design allows the resistor element to come in direct contact with ambient air allowing it to cool more efficiently than enamel coated resistors.

Product Specifications

Voltage Insulation: 1000 volts

Insulation Resistance (Dry): 1000 MΩ minimum

Resistance Tolerance: +/- 10% standard. Contact factory for if lower tolerances are required.

Coefficient of Resistivity: As the element temperature rises the resistance value will increase. Expect an approximate resistance increase of 5% at full operating temperature.

Operating Temperature: 375ºC temperature rise above ambient.

Ambient Temperature: The power ratings are based on a ambient temperature of 40ºC. For higher ambient temperatures, decrease power ratings approximately 10% for 50ºC, 20% for 80ºC and 30% for 100ºC.

Product Ordering Information

The part number is specified as follows: CWMxxxx). As an example, the part number for a 1000 ohm, 250 watts wirewound resistor is CWM1000. See the table on the following page for a full list of standard part numbers.

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Part Number	Ohms		Part Number	Ohms
CWM300	300		CWM1200	1200
CWM400	400		CWM1300	1300
CWM500	500		CWM1400	1400
CWM600	600		CWM1500	1500
CWM700	700		CWM1600	1600
CWM800	800		CWM1700	1700
CWM900	900		CWM1800	1800
CWM1000	1000		CWM1900	1900
CWM1100	1100		CWM2000	2000

Product Dimensions



