

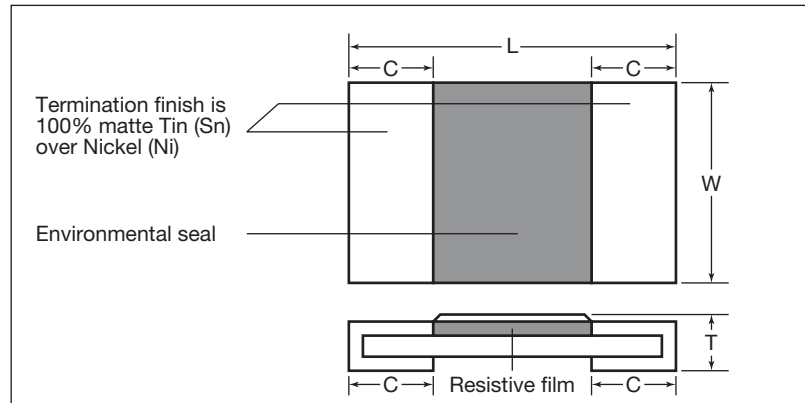
High Value Chip Resistors

Features

HMCR Chip Resistors are small in size but offer extremely high resistance - up to 100 Giga Ohms. Available in standard 0402, 0603, 0805, 1206 and 2512 sizes. Suitable for pick and place equipment.

Specifications

ELECTRODE TYPE W: WRAP AROUND

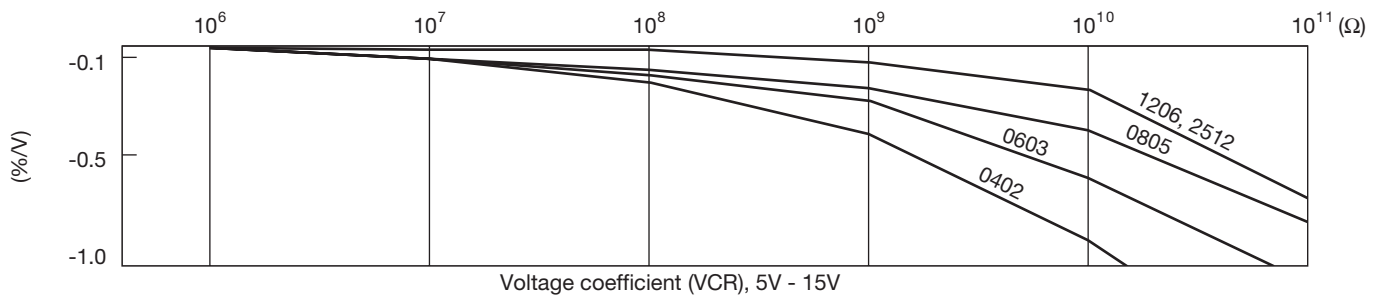
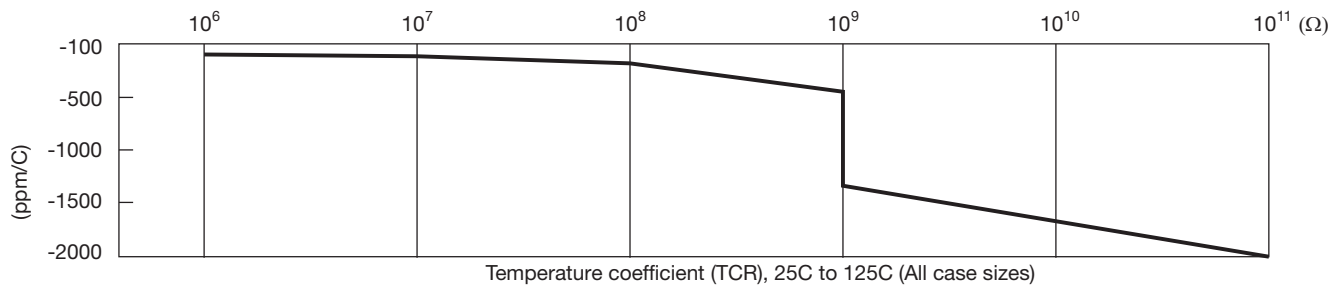


Series	Rated Power (W)	Max. Working Voltage DC (V)	Max. Overload Voltage DC(V)	Range of Resistance Values (Ω)	Dimensions (mm)			
					L	W	T	C
HMCR0402-16W	0.063	25	50	12 Meg ~ 100 Meg	1.0 ± 0.05	0.5 ± 0.05	0.35 ± 0.05	0.2 ± 0.1
HMCR0603-16W	0.063	50	100	24 Meg ~ 100 Gig	1.6 ± 0.1	0.8 ± 0.1	0.4 ± 0.1	0.2 ± 0.1
HMCR0805-10W	0.10	75	150	24 Meg ~ 100 Gig	2.0 ± 0.2	1.25 ± 0.2	0.4 ± 0.1	0.4 ± 0.2
HMCR1206-8W	0.125	150	300	24 Meg ~ 100 Gig	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.1	0.5 ± 0.3
HMCR2512-1W	1.00	300	500	12 Meg ~ 100 Gig	6.4 ± 0.2	3.2 ± 0.2	0.5 ± 0.1	0.5 ± 0.3

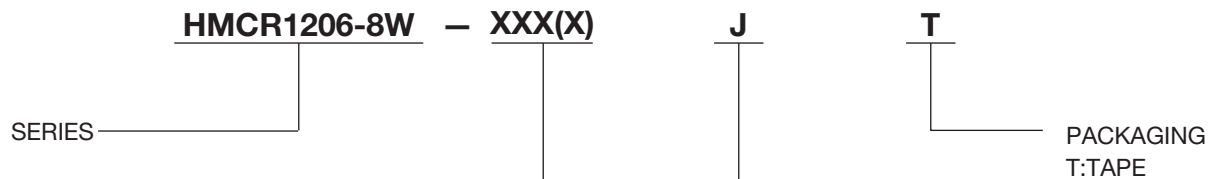
All components in this section are RoHS compliant per the EU directives and definitions.

Characteristics

Item	Characteristics	Test method
Long-term Stability	±0.5%	At normal temperature and humidity for 1,000 hr.
High Temperature Loading	±1%	DC15V, 1.5 hr ON, 0.5 hr OFF, 1,000 hr 70°C
Resistance of Soldering Heat	±1%	Dip into 260°C solder bath for 10 seconds
Short-time Overload	±2%	Test for 5 sec using maximum overload voltage
Operating Temperature Range	-55~+125°C	



How To Order



RESISTANCE VALUE
the first two digits (E-24 and E-96 series see page 66) represent significant figures. The last specifies the number of zeros to follow. (eg. 108 - 1 Gig ohms)

TOLERANCE AT 25°C
F: ±1% (≤100MΩ)*
J: ±5%
K: ±10%
M: ±20%
N: ±30%

Standard termination finish for this product is 100% matte Tin (Sn)

* Available in 0603, 0805 & 1206, up to 100 Meg ohms.