

HCX

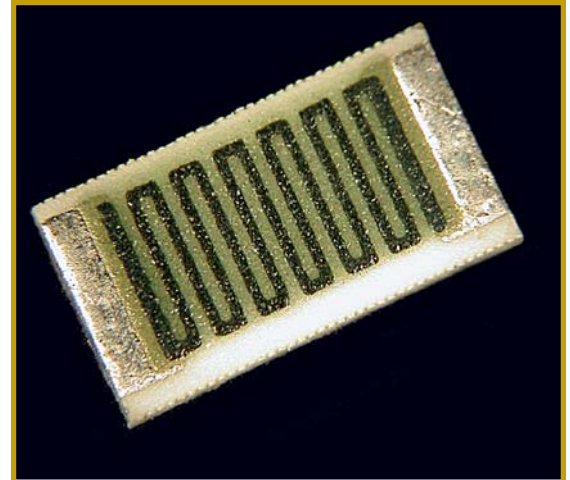
Semicustom

HCX 2010 High Ohmic Value Resistor

HCX 2010 is a competitively-priced high ohmic value resistor. This product offers customers a major price savings in that its high ohmic values are economically attained by means of an innovative high volume thick film printing process, eliminating the typical high cost associated with individually-produced devices of this type.

IMS' HCX 2010 resistor offers GigOhm resistance values on an alumina substrate. The high ohmic value is achieved by an innovative serpentine topology. The resistor measures .197" in length, .106" in width and .028" max. height.

This resistor is an ideal choice for applications requiring several varieties of termination metals including platinum silver and platinum silver with a solder coating. Applications for the HCX 2010 are especially those requiring high precision, such as test measurement instrumentation, sensors, and controls.



HCX-2010 High Ohmic Value resistor showing printed serpentine pattern

Electrical Specifications

Resistance: 45 GigOhms @ 10% tolerance with other GigOhm values and tolerances for release.
Dimensions: .197" L x .106" W x .028" H max.
Substrate: Alumina

Ordering Information

The example below calls out 1E10 Ohm (10 Gig.) 20% tolerance with PtAg terminations.

HC3 - 2010 - 1008M

Resistance Value

The first three digits are significant values.
The fourth is the number of zeroes following.

Tolerance

K - 10%
L - 15%
M - 20%
N - 30%

Form Factor

HC

Termination Material

1 Au
3 PtAg
C PtAg with 62/36/2 solder coating

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