



## **GENERAL DESCRIPTION**

The HR Series is the next generation of surface mount High Value Resistors. This product was designed with our proprietary Glass Sandwich FLEXITERM® Technology. The FLEXITERM® is a surface mountable automotive and medically qualified termination that adds an extra margin against damage due to flexture during installation. The HR Series has been designed with high quality selected materials that yield excellent performance in a small size. Resistor is designed to be embedded in glass sandwich to avoid environmental conditions. This product is ideal for use in applications requiring surface mountable small outline EIA resistors.

### **FEATURES**

- EIA 0201 & 0402 Size
- Power Rating: 125 mW
- Low Current Consumption

5R1

mm (inches)

High Voltage

## **APPLICATIONS**

- Multi Chip Module (MCM)
- Bias Networks
- Test and Measurement Equipment

Detail

EIA 0402

Glass wafer sandwich

1 K V

From 200 Ohms to 30 MOhms

FLEXITERM® (Ag/Epoxy), plated

125 mW

-40°C to +125°C

0.5%, 1%, 2%, 5%

- Aerospace
- Medical
- Automotive

## **HOW TO ORDER**



 Resistance (Ohms)

 pm/°C
 1R1 = 1.1 Ω

 n/°C\*
 100 = 10 Ω

 pm/°C
 101 = 100 Ω

 n/°C\*
 102 = 1,000 Ω

 pm/°C
 103 = 10,000 Ω

 cR values
 104 = 100,000 Ω

 est
 105 = 1,000,000 Ω

 106 = 10,000,000 Ω
 106 = 10,000,000 Ω

# **D**

Operating

Temperature

-40°C to +125°C

Tolerance  $D = \pm 0.5\%^*$  F = 1% G = 2% J = 5%\*Non-standard tolerance

values per special request

0402 SPECIFICATIONS

Resistor

Outline

Package

Maximum Voltage

**Resistance Value Range** 

Termination

Power Rating

**Operating Temperature Range** 

Tolerances



**Termination** 7 = Nickel Gold\* Z = Nickel Tin \*Non-standard termination

per special request



Packaging TR = Tape & Reel W = Waffle Pack

### **MECHANICAL DIMENSIONS**



### MECHANICAL DIMENSIONS





### 0201 SPECIFICATIONS

Resistor	Detail
Outline	EIA 0201
Package	Glass wafer sandwich
Maximum Voltage	1 KV
Resistance Value Range	From 200 Ohms to 5 MOhms
Termination	FLEXITERM <sup>®</sup> (Ag/Epoxy), plated
Power Rating	125 mW
Operating Temperature Range	-40°C to +125°C
Tolerances	0.5%, 1%, 2%, 5%

## **RESISTOR MATERIAL (SiCr) PROPERTIES**

Sheet Resistance (Ohms per Square)	TCR ppm/°C
300 to 1300	±25, ±50, ±100, ±250





The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.