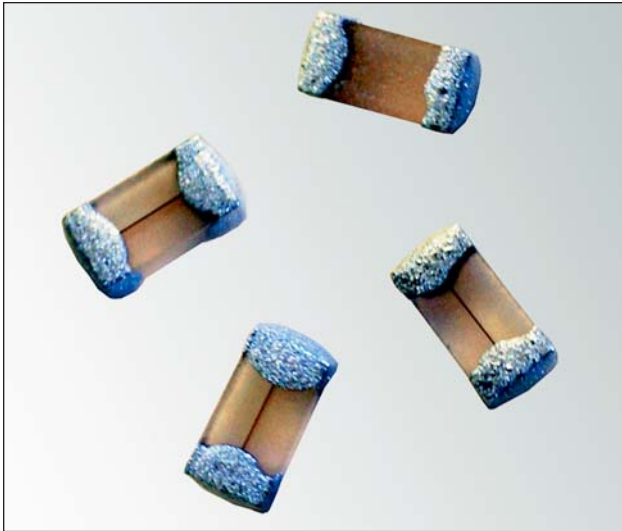


# HR Series

## High Value Resistors



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 flexure during installation. The HR Series has been designed with high quality selected materials that yield excellent performance in a small size. This product is ideal for use in applications requiring surface mountable small outline EIA resistors.

### FEATURES

- EIA 0402 Size
- Power Rating: 125 mW
- Low Current Consumption
- High Voltage
- Operating Temperature: -40°C to +125°C

### APPLICATIONS

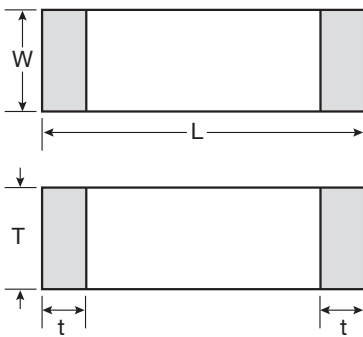
- Multi Chip Module (MCM)
- Bias Networks
- Test and Measurement Equipment
- Aerospace
- Medical
- Automotive

### HOW TO ORDER

<b>HR02</b>	<b>A</b>	<b>5R1</b>	<b>D</b>	<b>TR</b>
Size	TCR	Resistance (Ohms)	Tolerance	Packaging
HR02 = 0402	A = ±100 ppm/°C B = ±50 ppm/°C C = ±250 ppm/°C	1R1 = 1.1 Ω 100 = 10 Ω 101 = 100 Ω 102 = 1,000 Ω 103 = 10,000 Ω 104 = 100,000 Ω 105 = 1,000,000 Ω 106 = 10,000,000 Ω	B = ±0.1% D = 0.5% F = 1% J = 5%	TR = Tape & Reel

### MECHANICAL DIMENSIONS

mm (inches)



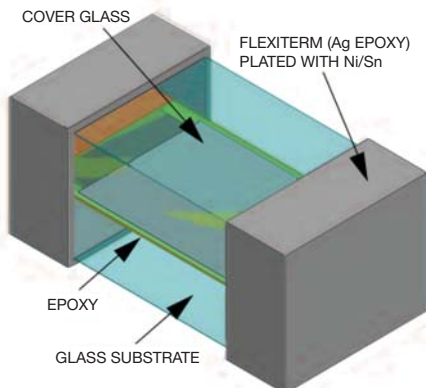
<b>Length (L)</b>	1.00±0.10 (0.039±0.004)
<b>Width (W)</b>	0.50±0.10 (0.020±0.004)
<b>Thickness (T)</b>	0.50±0.10 (0.020±0.004)
<b>Terminal (t)</b>	0.25±0.15 (0.010±0.006)

### Specifications:

Operating Temperature: -40°C to + 125°C

Resistor	Detail
Outline	EIA 0402
Package	Glass wafer sandwich
Maximum Voltage	1 KV
Resistance Value Range	From 2.2 MOhms to 20 MOhms
Termination	FLEXITERM® (Ag/Epoxy), plated
Power Rating	125 mW
Operating Temperature Range	-40°C to +125°C
Tolerances	0.1%, 0.5%, 1%, 5%

### RESISTOR MATERIAL (SiCr) PROPERTIES



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