

### FEATURES

- Resistor with Outrigger Heat Sink
- Surface Mount
- 0406 Footprint
- Wideband Performance

### APPLICATIONS

- Mobile Networks
- Portable RF Devices
- ZigBee Network Devices
- Instrumentation
- Wireless Mesh Network
- Low Noise Amplifiers



### GENERAL DESCRIPTION

EMC Technology has been the leading authority in innovative resistor solutions for more than 20 years. The CHR0406 series is an excellent choice for applications where additional heat sinking is required in a 0402 size resistor. These surface-mount resistors are packaged in tape and reel and ready for automated assembly.

### SPECIFICATIONS

#### 1.0 ELECTRICAL

DC Resistance	10 - 500 $\Omega$
Tolerance	$\pm 5\%$
TCR	$\pm 200$ ppm/ $^{\circ}\text{C}$ Maximum
Temperature, Operating	-55 $^{\circ}\text{C}$ To +150 $^{\circ}\text{C}$
Temperature, Storage	-55 $^{\circ}\text{C}$ To +150 $^{\circ}\text{C}$
Peak Power	5W Maximum
Average Power	500 mW Maximum

#### 2.0 MECHANICAL

Substrate	Alumina, 96%
Conductor	Thick Film, Silver Plated
Resistive Element	Thick Film

#### 3.0 UNIT MARKING

Dot Marking, OHMS Value

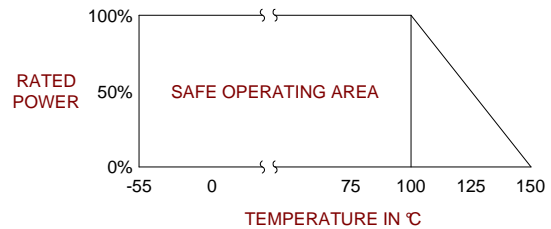
#### 4.0 PACKAGING

Standard: Tape and Reel per EIA 481D

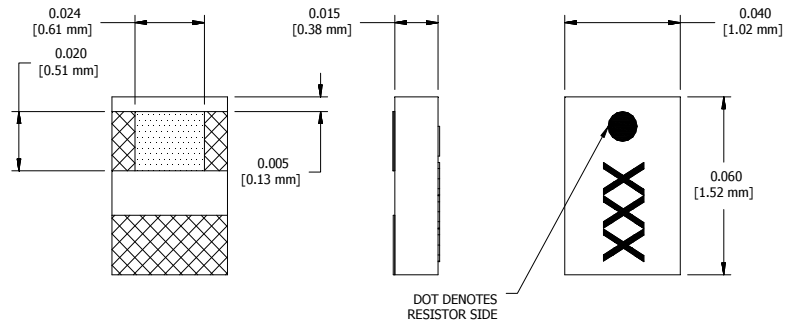
#### 5.0 PART NUMBERING

Part Identifier: CRH0406XXXXF  
 X= Tolerance (%)  
 XXX= Resistance Value ( $\Omega$ )

### POWER RATING AND DERATING



### MECHANICAL OUTLINE



\* Specifications are subject to change without notice.

Unless Otherwise Specified: TOLERANCE: .XXX =  $\pm .005$