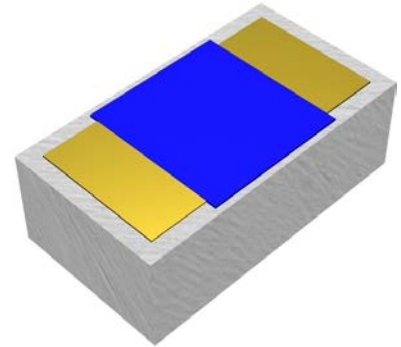


FEATURES

- Small Size – Light Weight
- Rugged Thick Film
- Moisture Resistant
- Flip Chip Mount

APPLICATIONS

- Broadcast
- High Power Filters
- High Power Amplifiers
- Instrumentation
- Isolators
- Military
- Satellite Communications



GENERAL DESCRIPTION

EMC Technology & Florida RF Labs offer low and high power RF resistors including surface mount chips, tab & cover chips, flange mounted and rod types. These resistors are available with Alumina, ALN, BeO and CVD substrate materials. Some devices use a tuned circuit design to minimize parasitic capacitance across their usable frequency bands. Most devices are available in a wide range of resistance values, typically from 1 ohm to 1 K ohms. Choose from a variety of metallization finishes for easy mounting to a heat sink or directly to the printed circuit board. Typical finishes include: Lead-free, RoHS compliant plating (silver or gold), solder finish with SN63 or solder fused finish with SN63 depending upon package type. Select from bulk, tape & reel, or waffle packaging, again, depending upon resistor package style.

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Value: 10 - 250 Ω
 Resistance Tolerance: $\pm 5\%$ STD. 1% AND 2% Available
 Typical Capacitance 0.15 pF Maximum
 Input Power 50 Milliwatt
 Temperature Coefficient: ± 200 PPM/ $^{\circ}\text{C}$ Max
 Operating Temperature: -55°C To $+125^{\circ}\text{C}$

2.0 MECHANICAL

Substrate Alumina
 Resistive Element: Thick Film
 Metallization: Thick Film Platinum-Gold
 Attachment: Solderable

3.0 UNIT MARKING

None

4.0 PACKAGING

Standard: Tape and Reel

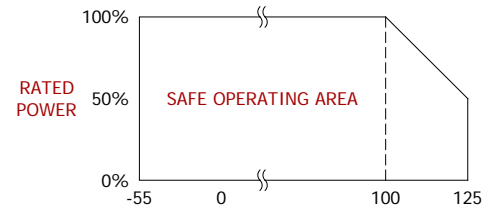
5.0 PART NUMBERING

Part Identifier:

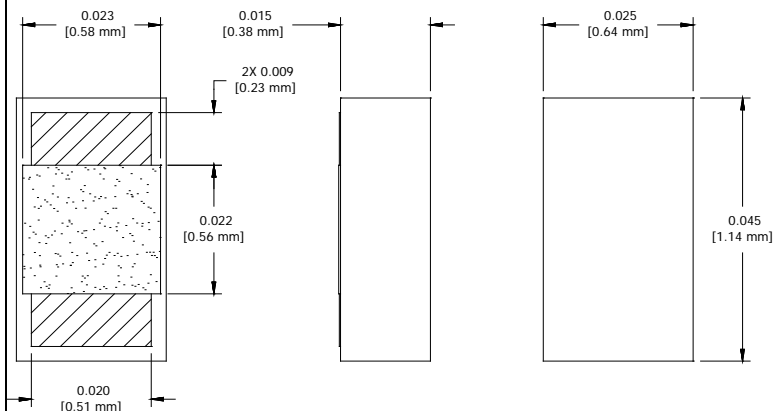
CR0402AXXX,XF
 = OHMS VALUE
 = TOLERANCE

Note: Specifications are subject to change without notice.

POWER RATING AND DERATING



MECHANICAL OUTLINE



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.10
 TOLERANCE: X.XXX = ± 0.005