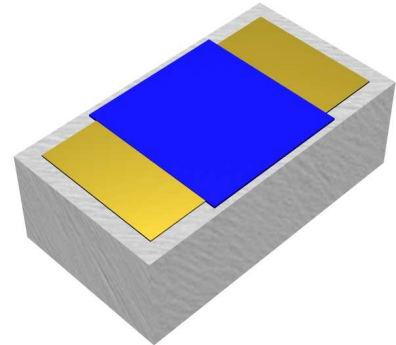


FEATURES

- 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 $^{\circ}\text{C}$ 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:

CR0402AXF

= OHMS VALUE

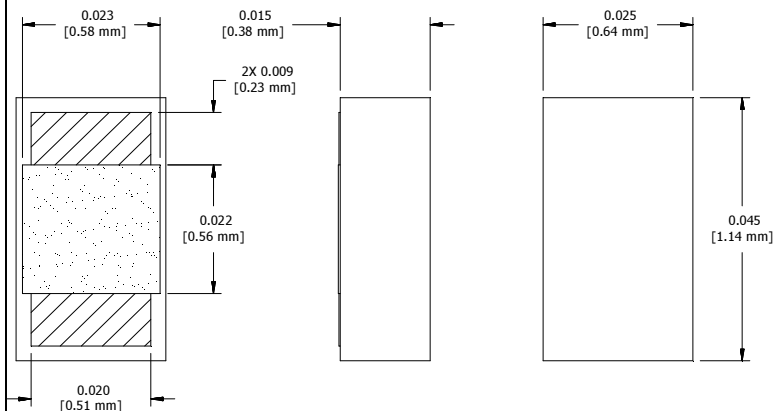
= TOLERANCE

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