

GENERAL SPECIFICATIONS:

IMPEDANCE: 50 Ohms.

ATTENUATION VALUES: 1 dB to 20 dB.

POWER RATING: The power rating is from -65°C to 100°C, derated linearly to zero at 150°C.

TEMPERATURE COEFFICIENT: ±100 PPM/°C maximum from -55°C to +125°C.

ENVIRONMENTAL: Meets or exceeds the applicable requirements of MIL-PRF-55342.

OPERATING TEMPERATURE: -65°C to +150°C.

ATTENUATION STABILITY: 0.0001 dB/dB/°C.

MECHANICAL TOLERANCE: ±.010 inch.

MATERIALS:

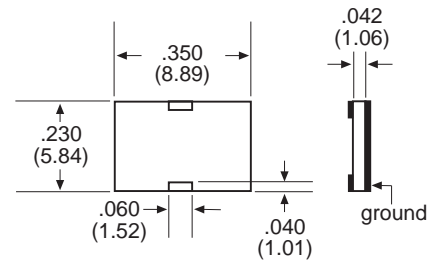
RESISTIVE ELEMENTS: Proprietary film.

TERMINALS: Platinum Silver.

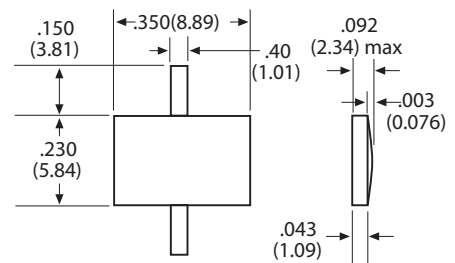
SUBSTRATE: **Beryllium Oxide**.

COVER: Epoxy or Alumina.

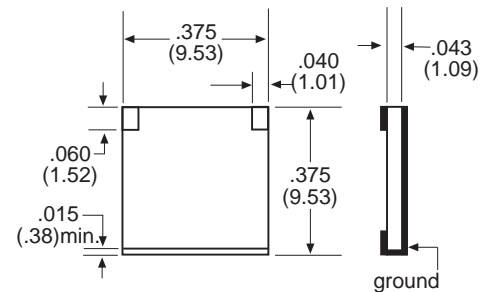
TABS: **Beryllium** Copper, Gold Plated.



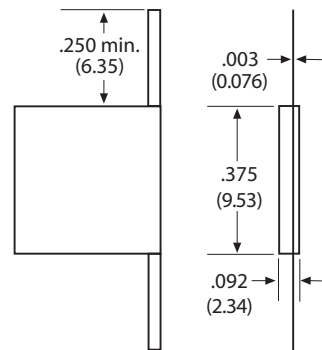
RPCA30 (30 WATTS)



RPCA30-XXC (30 WATTS)



RPCA50 (50 WATTS)



RPCA50-XXC (50 WATTS)

MICROSTRIP CONFIGURATION:

PART NUMBER	ATTENUATION ACCURACY (dB) & FREQUENCY (GHz)				VSWR (max.)
	dB	DC-1GHz	1-2.5 GHz	2.5-4 GHz	
RPCA30	1 - 5	±0.3	±0.5	±0.5	1.15 to DC to 1.0 GHz 1.25 to 1.0 to 2.5 GHz 1.35 to 2.5 to 4.0 GHz
	6 - 9	±0.3	±0.5	±0.7	
	10 - 15	±0.4	±0.5	±1.0	
	16 - 20	±0.5	±0.6	±1.0	
	20 - 30	±0.75	±1.0	N/A	
RPCA50	1 - 5	±0.5	±0.5	1.15 to DC to 0.5 GHz 1.20 to 0.5 to 1.0 GHz	
	6 - 9	±0.3	±0.5		
	10 - 15	±0.4	±0.7		
	16 - 20	±0.5	±1.0		
	20 - 30	±0.5	±1.5		