

Attenuator Chip

Models: PCAA-X, PCAA-TX, PCAA-HX, PCAA-GX

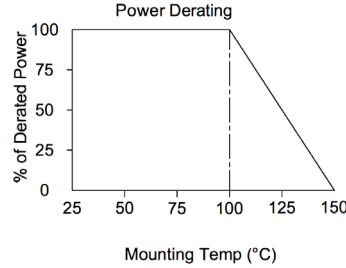
**DC - 18 GHz
PCAA**

Specifications

Electrical:

Frequency Range DC - 18 GHz
 Nominal Impedance 50 Ohms
 Standard dB Values 0 thru 20 dB
 Attenuation Accuracy (dB)

dB Value	DC-4 GHz	4-8 GHz	8-12.4 GHz	12.4-18 GHz
0	+0.5/-0	+0.5/-0	+0.5/-0	+0.5/-0
1-3	±0.5	±0.5	±0.5	±0.5
4-6	±0.5	±0.5	±0.5	±0.75
7-10	±0.5	±0.5	±0.75	±1.00
11-15	±0.75	+0.5/-3	+0.5/-4	
16-20	±1.00	+0.5/-4		



VSWR

DC - 4 GHz 1.25:1 Max.
 4 - 8 GHz 1.35:1 Max.
 8 - 18 GHz 1.50:1 Max.

Rated Power (Mounted Circuit side up or down)

dB Value	CIRCUIT UP (W)	CIRCUIT DOWN (W)	dB Value	CIRCUIT UP (W)	CIRCUIT DOWN (W)
0	0.5	5.0	10	0.2	1.0
1	0.5	5.0	12	0.15	0.75
2	0.3	2.0	15	0.15	0.75
3	0.3	2.0	20	0.15	0.75
6	0.2	1.0			

Attenuation Stability 0.0001 dB/dB/°C
 Operating Temp. Range -55°C to +150°C

Mechanical

Substrate Alumina
 Solderable Terminals Electroplated Silver over Nickel

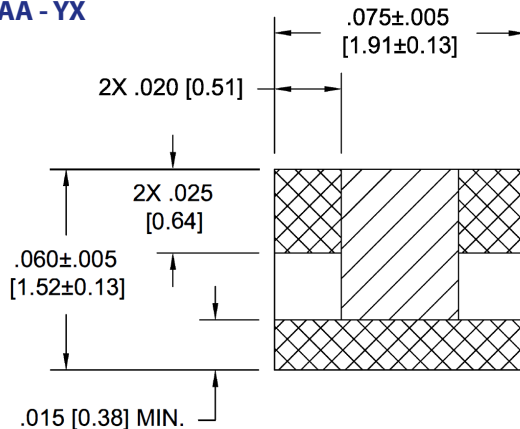
See "How to Order" for Tinning & other options

How to Order

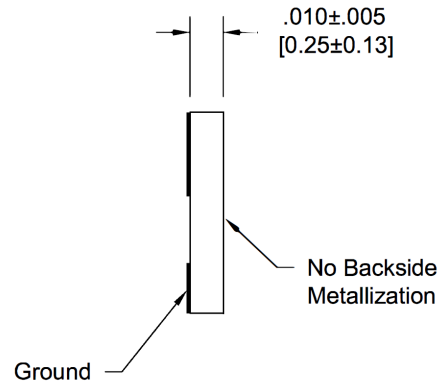
Model Number: PCAA - Y X

Terminal Options dB Value
 = Silver over Nickel
 T = Tin Lead Solder
 H = Lead Free Solder
 G = Gold Plated

Model Number: PCAA - YX



Tolerance .XXX = ±.010



Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

Design specifications are subject to change without notice.