

ATTENUATOR CHIP

**DC - 18 GHz
PCAA**



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

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.

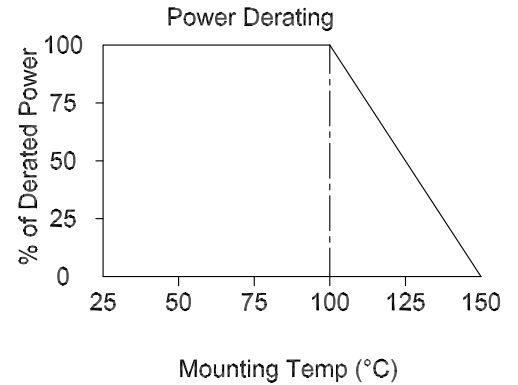
Rated Power

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:

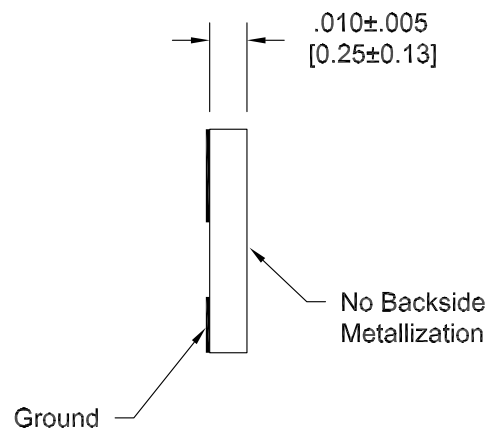
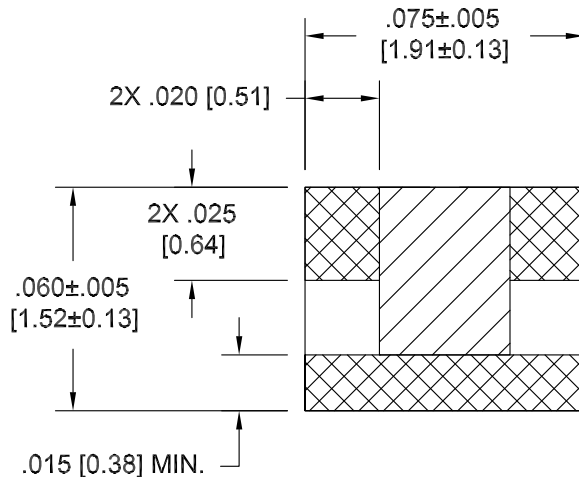
Model Number: **PCAA-YX**

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

dB Value

Model Number: **PCAA-YX**

TOLERANCE .XXX = ±0.10



Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
 Design specifications are subject to change without notice.