

# Attenuator Chip, Cryo Low Temp

**DC - 18 GHz  
CCAAW**

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

## Specifications

### Electrical

Frequency Range	DC - 18 GHz
Normal 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		

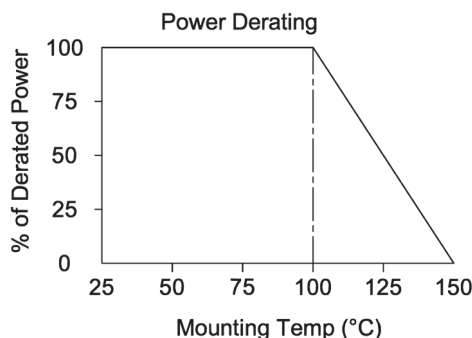
### VSWR

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	Watts	dB Value	Watts	dB Value	Watts
0	4.0	3	2.0	12	0.75
1	4.0	6	1.0	15	0.75
2	2.0	10	1.0	20	0.75

Operating Temp. Range 4°mK to +150°C



### Mechanical

Substrate: Alumina

Wirebondable Terminals Gold

See "How to Order" for Tinning & other options

## How to Order

Model Number: CCAAW - Y X

Terminal Options \_\_\_\_\_ dB Value

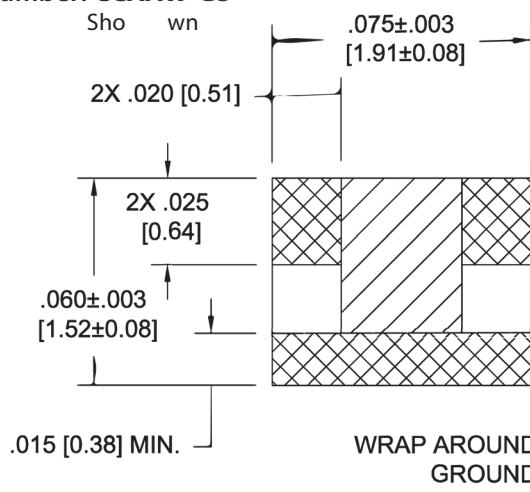
= Silver over Nickel

T = Tin Lead Solder

H = Lead Free Solder

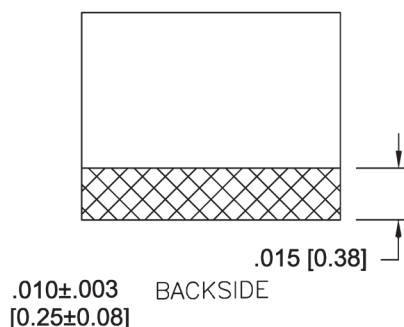
G = Gold Plated

### Model Number: CCAAW-G3



Tolerance .XXX = ±.010

Dimensions are for substrate only and do not include terminal thickness or optional tinning thickness.



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