

# Attenuator Chip, Cryo Low Temp

**DC - 8 GHz  
CCAAF**

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

## Specifications

### Electrical:

<b>Frequency Range</b>	DC - 8 GHz
<b>Norminal Impedance</b>	50 Ohms
<b>Standard dB Values</b>	0 thru 20 dB
<b>Attenuation Accuracy (dB)</b>	

dB Value	DC-4 GHz	4-8 GHz
0	+0.5/-0	+0.5/-0
1-10	±0.5	±0.5
11-15	±0.75	+0.5/-3
16-20	±1.0	+0.5/-4

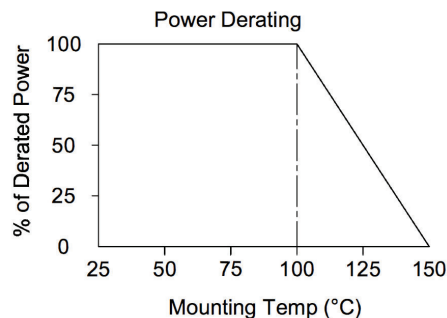
### VSWR

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

### Rated Power (Mounted Circuit side up or down)

dB Value	Watts	dB Value	Watts	dB Value	Watts
0	5.0	3	2.0	12	0.75
1	5.0	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

**Terminals** Tin Lead Solder (Standard)

See "How to Order" for Tinning & other options

## How to Order

**Model Number: CCAAF - Y X**

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

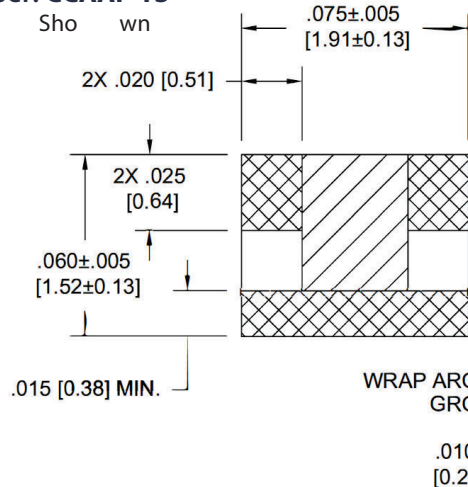
= Silver over Nickel

T = Tin Lead Solder

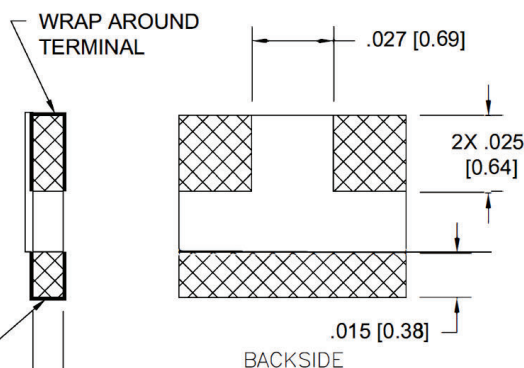
H = Lead Free Solder

G = Gold Plated

### Model Number: CCAAF-T3



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.*