

# C CH ATTENUATORS

SMA, up to 18 GHz, 2 Watts

## SPECIFICATIONS:

Models: C, CH

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

Frequency Range \_\_\_\_\_ DC - 18.0 GHz  
 Standard Freq. Values \_\_\_\_\_ 2.5, 6, 12.4 & 18 GHz  
 Standard dB Values\* \_\_\_\_\_ 0 - 10, 12, 15, 20 & 30 dB

Attenuation Accuracy \_\_\_\_\_ In 1 dB Increments  
 0 - 6 dB \_\_\_\_\_ ±0.3 dB  
 7 - 20 dB \_\_\_\_\_ ±0.5 dB  
 21 - 30 dB \_\_\_\_\_ ±0.75 dB

VSWR  
 DC - 4 GHz \_\_\_\_\_ 1.15:1 Max.  
 4 - 8 GHz \_\_\_\_\_ 1.20:1 Max.  
 8 - 12.4 GHz \_\_\_\_\_ 1.25:1 Max.  
 12.4 - 18 GHz \_\_\_\_\_ 1.35:1 Max.

Input Power \_\_\_\_\_ 2 Watts Avg. @ 25°C  
Derated Linearly to 0.5 Watts @ +125°C

Peak Power \_\_\_\_\_ 250 Watts Max.

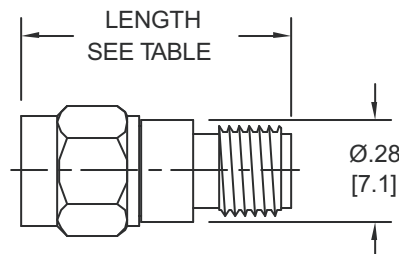
Impedance \_\_\_\_\_ 50 Ohms  
(5uSec Pulse, .05% Duty Cycle)

Operating Temp Range \_\_\_\_\_ -65°C to +125°C

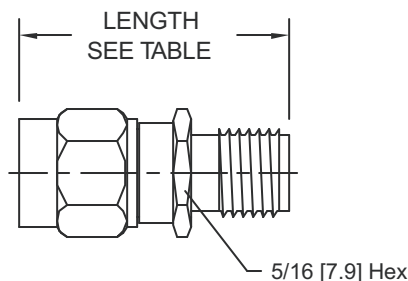
### Mechanical:

SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MILSTD-348  
 Conductors \_\_\_\_\_ Gold Plated Beryllium Copper

Note: Connectors are Epoxy Sealed



C STYLE



CH STYLE

| dB Value   | LENGTH   |             |
|------------|----------|-------------|
|            | Inches   | Millimeters |
| 0 - 12 dB  | .76 ±.03 | [19.3 ±0.8] |
| 13 - 30 dB | .89 ±.03 | [22.6 ±0.8] |

## HOW TO ORDER:

Model Number: **XXCV-XX**

Freq. Range \_\_\_\_\_ dB Value

6 = DC - 6 GHz  
 12 = DC - 12.4 GHz  
 18 = DC - 18 GHz

Style \_\_\_\_\_

C = C Style (No Hex)  
 CH = CH Style (Hex)

## Ordering Examples:

Model Number: **18C-20**  
 DC - 18 GHz; 20 dB; SMA - Male/Fem; Style C

Model Number: **12CH-6**  
 DC - 12.4 GHz; 6 dB; SMA - Male/Fem; Style CH

Model Number: **6CH-3**  
 DC - 6 GHz; 3 dB; SMA - Male/Fem; Style CH

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

\*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR); gold plated units and/or connectors optimized for RF leakage also available.

18C-ATT: REV K

**AEROFLEX**  
INMET

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