

# COAXIAL ATTENUATORS

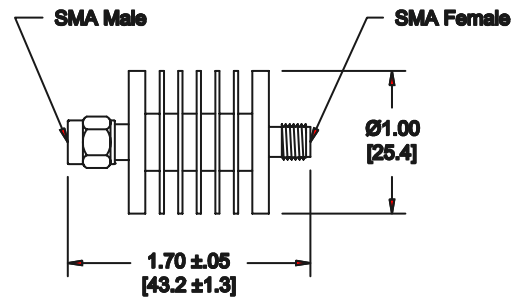
## DC - 18.0 GHz, 10 and 20 WATTS

**FREQUENCY RANGE:** DC - 18.0 GHz  
**ATTENUATION RANGE:** 0 - 40 dB  
**ATTENUATION ACCURACY**  
 0-6 db: +/- 0.5 dB  
 7-20 dB: +/- 0.7 dB  
 21-30 dB: +/- 1.00 dB  
**INPUT POWER(@ 25 C):** 10 WATTS AVG.  
 (@ 125 C): 2.0 WATTS  
**PEAK POWER:** 500 WATTS MAX.  
**OPERATING TEMP RANGE:** -65 C TO +125 C  
**CONNECTORS:** SMA  
**CONNECTOR BODY:** Passivated Stainless Steel  
**CONDUCTORS:** Gold Plated Beryllium Copper

MODEL NUMBER	FREQUENCY RANGE	VSWR (MAX.)	INPUT POWER @ 25 C
CS102-X	DC - 2.0 GHz	1.20:1	10 WATTS
CS104-X	DC - 4.0 GHz	1.20:1	10 WATTS
CS108-X	DC - 8.0 GHz	1.30:1	10 WATTS
CS1012-X	DC - 12.0 GHz	1.30:1	10 WATTS
CS1018-X	DC - 18.0 GHz	1.40:1	10 WATTS

REPLACE "X" WITH THE REQUIRED ATTENUATION VALUE.  
 ADD "M" FOR SMA MALE CONNECTORS. EX: CS102-30/M  
 ADD "F" FOR SMA FEMALE CONNECTORS. EX: CS1012-20/F

LENGTH		
CONNECTOR	0 - 40 dB	
	Inches	Millimeters
MALE/FEMALE	1.70 +/- .05	43.2 +/- 1.3
MALE/MALE	1.84 +/- .05	46.7 +/- 1.3
FEMALE/FEMALE	1.57 +/- .05	39.9 +/- 1.3



**FREQUENCY RANGE:** DC - 18.0 GHz  
**ATTENUATION RANGE:** 3, 6, 10, 20, 30, 40 dB  
**ATTENUATION ACCURACY**  
 3-6 db: +/- 0.75 dB  
 10-20 dB: +/- 1.00 dB  
 30-40 dB: +/- 1.50 dB  
**INPUT POWER(@ 25 C):** 20 WATTS AVG.  
 (@ 125 C): 4.0 WATTS  
**PEAK POWER:** 500 WATTS MAX.  
**OPERATING TEMP RANGE:** -65 C TO +125 C  
**CONNECTORS:** 2.9mm  
**CONNECTOR BODY:** Passivated Stainless Steel  
**CONDUCTORS:** Gold Plated Beryllium Copper

MODEL NUMBER	FREQUENCY RANGE	VSWR (MAX.)	INPUT POWER @ 25 C
CS202-X	DC - 2.0 GHz	1.20:1	20 WATTS
CS204-X	DC - 4.0 GHz	1.20:1	20 WATTS
CS208-X	DC - 8.0 GHz	1.30:1	20 WATTS
CS2012-X	DC - 12.0 GHz	1.30:1	20 WATTS
CS2018-X	DC - 18.0 GHz	1.40:1	20 WATTS

REPLACE "X" WITH THE REQUIRED ATTENUATION VALUE.  
 ADD "M" FOR SMA MALE CONNECTORS. EX: CS2018-30/M  
 ADD "F" FOR SMA FEMALE CONNECTORS. EX: CS208-20/F

LENGTH		
CONNECTOR	0 - 40 dB	
	Inches	Millimeters
MALE/FEMALE	2.33 +/- .05	59.2 +/- 1.3
MALE/MALE	2.20 +/- .05	55.9 +/- 1.3
FEMALE/FEMALE	2.46 +/- .05	62.5 +/- 1.3

