

# Attenuators

## SMA Ultraminiature Type

### DC - 18 GHz High Performance

- DC-2, DC-4, DC-8, and DC-12.4 units also available
- 0 - 30 dB Attenuation Values
- Rugged Stainless Steel Construction
- Any Male/Female combination available
- Small Size - Lightweight

Midwest Microwave's SMA Ultraminiature series of fixed coaxial attenuators provide temperature stable, ruggedly built, precision performance in a very small light weight package size. Attenuation values up through 30 dB in 1 dB increments are available with any of the units described and with any combination of female or male SMA connectors.



### SPECIFICATIONS - HIGH PERFORMANCE

**Frequency:** DC - 18.0, DC - 12.4, DC - 8.0 GHz  
DC - 4.0, DC - 2.0 GHz

**Attenuation Accuracy:** 1-6 dB  $\pm 0.3$  dB  
7-20 dB  $\pm 0.5$  dB  
21-30 dB  $\pm 1.0$  dB

**VSWR:** 1.07+0.015 (f GHz) max.

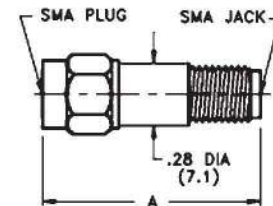
**Power:** 2 Watts average @ +25 °C derated linearly to .5 watts @ +125 °C

**Peak Power:** 200 Watts

**Operating Temperature Range:** - 65 to + 125 °C

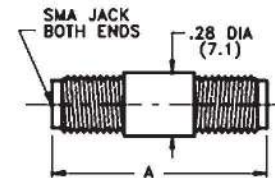
**Finish:** Passivated Stainless Steel

DC - 18 GHz		275 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0275-XX-SMA-02	ATT-275F-XX-SMA-02		ATT-275M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)			
<i>HIGH PERFORMANCE</i>			



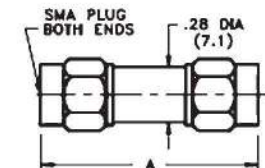
Attenuation Value	Length A
1-12 dB	0.750
13-30 dB	0.875

DC - 12.4 GHz		276 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0276-XX-SMA-02	ATT-276F-XX-SMA-02		ATT-276M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)			
<i>HIGH PERFORMANCE</i>			



Attenuation Value	Length A
1-12 dB	0.700
13-30 dB	0.825

DC - 8.0 GHz		277 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0277-XX-SMA-02	ATT-277F-XX-SMA-02		ATT-277M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)			
<i>HIGH PERFORMANCE</i>			



Attenuation Value	Length A
1-12 dB	0.875
13-30 dB	1.00