

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 ± 0.3 dB
7-20 dB ± 0.5 dB
21-30 dB ± 1.0 dB

VSWR: 1.07 \pm .015 (f GHz) max.

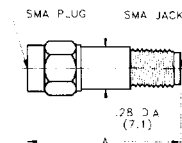
Power: 2 Watts average @ +25 °C derated linearly to .5 watts @ +125 °C

Peak Power: 200 Watts

Operating Temperature Range: - 65 to + 125 °C

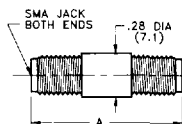
Finish: Passivated Stainless Steel

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)			
HIGH PERFORMANCE			



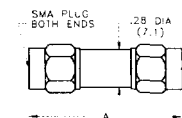
Attenuation Value	Length A
1-12 dB	0.750
13-30 dB	0.875

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)			
HIGH PERFORMANCE			



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)			
HIGH PERFORMANCE			



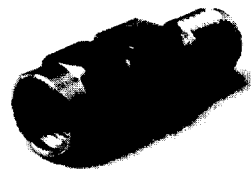
Attenuation Value	Length A
1-12 dB	0.875
13-30 dB	1.00

Note: * U.S. Patent No. 3,824,506 applies to all * Fixed Attenuators.

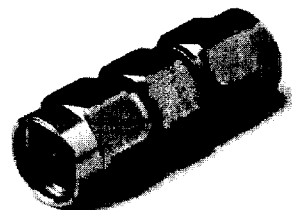
Attenuators

SMA Ultraminiature Type

DC - 4.0 GHz	278 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0278-XX-SMA-02	ATT-278F-XX-SMA-02	ATT-278M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)		



DC - 2.0 GHz	279 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0279-XX-SMA-02	ATT-279F-XX-SMA-02	ATT-279M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)		



DC - 26.5 GHz 3.5mm High Performance

- Extended Frequency Performance
- 0 - 20 dB Attenuation Values
- 3.5 mm Precision Connectors (mates with SMA)
- Small Size - Light Weight
- Any Male/Female Connector Configuration
- Rugged Stainless Steel Construction



Midwest Microwave's 3.5 mm subminiature series of precision fixed coaxial attenuators provide extended frequency operation of up to 26.5 GHz when mated with connector interfaces of the same family. These temperature stable, ruggedly built, precision attenuators allow high performance in a very small light weight package size. Attenuation values up through 20 dB in 1 dB increments are available with any combination of female or male 3.5mm connectors.

SPECIFICATIONS - HIGH PERFORMANCE

Frequency: DC - 18.0, DC - 26.5 GHz

VSWR: $1.07 + 0.015 f$ (GHz)

Attenuation Accuracy: 1-6 dB ± 0.5 dB
7-20 dB ± 0.7 dB

Power: 2 Watts Average @ +25 °C

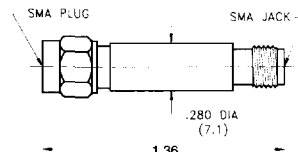
derated linearly to .5 watts @ +125 °C

Operating Temp Range: - 65 to + 125C

Peak Power: 200 Watts

Finish: Passivated Stainless Steel

DC - 26.5 GHz	550 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0550-XX-35M-02	ATT-550F-XX-35M-02	ATT-550M-XX-35M-02
XX = Attenuation Value: Select 01-20dB in 1dB increments (.5 dB increments available)		
26.5 GHz Extended Frequency Performance		



Note: dimensions shown above are for the Male/Female version. The length for the Female/Female version is 1.33 and for the Male/Male version is 1.39.

Note: For DC - 18.0 GHz Model, substitute "551" for "550" in Model No.