

Attenuators

SMA Subminiature "MINIPAD"®

DC - 26.5 GHz High Performance

- DC-2, DC-8, DC-12.4, and DC-18 GHz units available
- Rugged Stainless Steel Construction
- Any Male/Female combination available
- Low cost alternatives available

Midwest Microwave's SMA subminiature series of fixed coaxial attenuators (MINIPAD®) provide temperature stable, ruggedly built, precision performance in a compact 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, and DC - 2.0 GHz

Attenuation Accuracy: 1-6 dB ± 0.3dB
7-20 dB ± 0.5 dB
21-30 dB ± 1.0 dB

VSWR: 1.07+.015 (f GHz) max.

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

Peak Power: 200 Watts

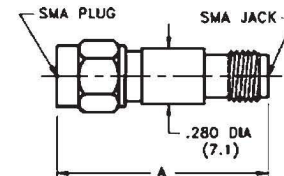
Operating Temperature Range: -65 to +125C

Finish: Passivated Stainless Steel

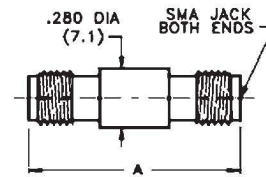


TYPE II LOW VSWR - HIGH PERFORMANCE IMPROVED SPECIFICATIONS

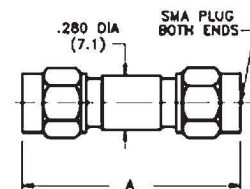
| Frequency GHz | VSWR |
|---------------|----------|
| DC - 4.0 GHz | 1.12 max |
| 4.0 - 8.0 GHz | 1.15 max |
| 8.0 - 18 GHz | 1.20 max |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-12 dB | 0.86 |
| 13-30 dB | 1.02 |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-12 dB | 0.90 |
| 13-30 dB | 1.03 |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-12 dB | 0.98 |
| 13-30 dB | 1.12 |

| DC - 26.5 GHz | 298 Series | Model Numbers |
|--|--------------------|--------------------|
| Male/Female | Female/Female | Male/Male |
| ATT-0298-XX-SMA-02 | ATT-298F-XX-SMA-02 | ATT-298M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) | | |
| <i>HIGH PERFORMANCE</i> | | |

| DC - 18 GHz | 290 Series | Model Numbers |
|--|--------------------|--------------------|
| Male/Female | Female/Female | Male/Male |
| ATT-0290-XX-SMA-02 | ATT-290F-XX-SMA-02 | ATT-290M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) | | |
| <i>HIGH PERFORMANCE</i> | | |

| DC - 12.4 GHz | 291 Series | Model Numbers |
|--|--------------------|--------------------|
| Male/Female | Female/Female | Male/Male |
| ATT-0291-XX-SMA-02 | ATT-291F-XX-SMA-02 | ATT-291M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) | | |
| <i>HIGH PERFORMANCE</i> | | |