

### DC - 18 GHz High Performance

- DC-2, DC-4, DC-8, and DC-12.4 units available
- 0 - 60 dB Attenuation Values
- Rugged Stainless Steel Construction
- Any Male/Female combination available
- Low cost alternatives available

Midwest Microwave's SMA miniature series of fixed coaxial attenuators provide temperature stable, ruggedly built, precision performance in a small light weight package size. Attenuation values up through 60 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:** 1-10 dB  $\pm 0.3$  dB  
11-20 dB  $\pm 0.5$  dB  
21-40 dB  $\pm 1.0$  dB  
41-60 dB  $\pm 1.5$  dB

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

**Power:** 2 Watts Average @ 25C derated linearly to .5 Watts @ 125C

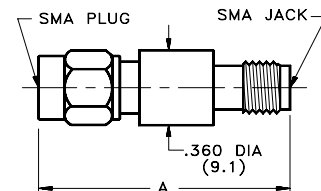
**Peak Power:** 200 Watts

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

**Finish:** Passivated Stainless Steel

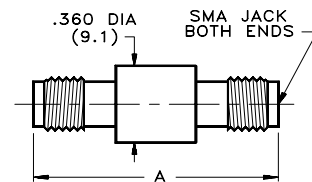


| DC - 18 GHz                                                                              |                    | 263 Series         | Model Numbers |
|------------------------------------------------------------------------------------------|--------------------|--------------------|---------------|
| Male/Female                                                                              | Female/Female      | Male/Male          |               |
| ATT-0263-XX-SMA-02                                                                       | ATT-263F-XX-SMA-02 | ATT-263M-XX-SMA-02 |               |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br>(.5 dB increments available) |                    |                    |               |
| HIGH PERFORMANCE                                                                         |                    |                    |               |



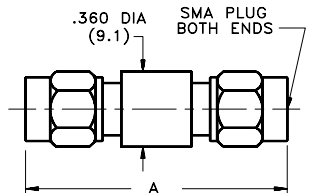
| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.20     |
| 21-60 dB          | 1.49     |

| DC - 12.4 GHz                                                                            |                    | 205 Series         | Model Numbers |
|------------------------------------------------------------------------------------------|--------------------|--------------------|---------------|
| Male/Female                                                                              | Female/Female      | Male/Male          |               |
| ATT-0205-XX-SMA-02                                                                       | ATT-205F-XX-SMA-02 | ATT-205M-XX-SMA-02 |               |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br>(.5 dB increments available) |                    |                    |               |
| HIGH PERFORMANCE                                                                         |                    |                    |               |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.07     |
| 21-60 dB          | 1.36     |

| DC - 8.0 GHz                                                                             |                    | 206 Series         | Model Numbers |
|------------------------------------------------------------------------------------------|--------------------|--------------------|---------------|
| Male/Female                                                                              | Female/Female      | Male/Male          |               |
| ATT-0206-XX-SMA-02                                                                       | ATT-206F-XX-SMA-02 | ATT-206M-XX-SMA-02 |               |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br>(.5 dB increments available) |                    |                    |               |
| HIGH PERFORMANCE                                                                         |                    |                    |               |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.33     |
| 21-60 dB          | 1.62     |

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