

# Attenuators

## SMA Subminiature "MINIPAD"®

### Hex Body Types - High Performance

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



DC - 18.0 GHz Hex Body 290HEX Series Model Numbers		
Male/Female	Female/Female	Male/Male
ATT-0290-XX-HEX-02	ATT-290F-XX-HEX-02	ATT-290M-XX-HEX-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)		
<i>HIGH PERFORMANCE</i>		

### SPECIFICATIONS - HIGH PERFORMANCE

**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+.015(f GHz) max

**Power:** 2 Watts Average @ +25 °C derated linearly to .5 watts @ +125 °C and 200 Watts peak

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

**Finish:** Passivated Stainless Steel

DC - 12.4 GHz Hex Body 291HEX Series Model Numbers		
Male/Female	Female/Female	Male/Male
ATT-0291-XX-HEX-02	ATT-291F-XX-HEX-02	ATT-291M-XX-HEX-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	0.86
13-30 dB	1.02

DC - 8.0 GHz Hex Body 292HEX Series Model Numbers		
Male/Female	Female/Female	Male/Male
ATT-0292-XX-HEX-02	ATT-292F-XX-HEX-02	ATT-292M-XX-HEX-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	0.90
13-30 dB	1.03

DC - 2.0 GHz Hex Body 294HEX Series Model Numbers		
Male/Female	Female/Female	Male/Male
ATT-0294-XX-HEX-02	ATT-294F-XX-HEX-02	ATT-294M-XX-HEX-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	0.98
13-30 dB	1.12