

# Attenuators

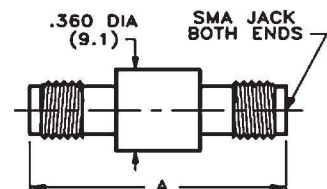
## SMA Miniature Type

DC - 4.0 GHz		238 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0238-XX-SMA-02	ATT-238F-XX-SMA-02		ATT-238M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)			
<i>HIGH PERFORMANCE</i>			



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

DC - 2.0 GHz		208 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0208-XX-SMA-02	ATT-208F-XX-SMA-02		ATT-208M-XX-SMA-02
XX = Attenuation Value: Select 01-60dB in 1dB increments (.5 dB increments available)			
<i>HIGH PERFORMANCE</i>			



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

### Low Cost - Inexpensive Types

DC - 18.0 GHz		333 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0333-XX-SMA-02	ATT-333F-XX-SMA-02		ATT-333M-XX-SMA-02
XX = Attenuation Value: Select 01-60dB in 1dB increments			
<i>LOW COST</i>			



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

DC - 8.0 GHz		334 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0334-XX-SMA-02	ATT-334F-XX-SMA-02		ATT-334M-XX-SMA-02
XX = Attenuation Value: Select 01-60dB in 1dB increments			
<i>LOW COST</i>			

### SPECIFICATIONS - LOW COST

#### Attenuation Accuracy:

	DC - 12.4 GHz	12.4 - 18 GHz
1-4 dB	± 0.75 dB	± 0.75 dB
5-8 dB	± 0.75 dB	± 1.00 dB
9-12 dB	± 1.00 dB	± 1.25 dB
13-20 dB	± 1.50 dB	± 1.50 dB
21-40 dB	± 2.00 dB	± 2.00 dB
41-60 dB	± 2.50 dB	± 2.50 dB

#### VSWR:

VSWR	Frequency (GHz)
1.25 max	DC - 4.0
1.45 max	4.0 - 12.4
1.65 max	12.4 - 18.0

**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

**Dimensions:** Same as 263 Series

DC - 2.0 GHz		335 Series	Model Numbers
Male/Female	Female/Female		Male/Male
ATT-0335-XX-SMA-02	ATT-335F-XX-SMA-02		ATT-335M-XX-SMA-02
XX = Attenuation Value: Select 01-60dB in 1dB increments			
<i>LOW COST</i>			