

Broadband Wireless Frequency Coverage

- DC-2, DC-8, DC-12.4, and DC-26.5 GHz units available
- Rugged Stainless Steel Construction
- Any Male/Female combination available
- Low cost high value performance

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

Frequency: DC - 2.0, DC - 4.0, DC - 12.4 GHz
DC - 18.0, and DC - 26.5 GHz

Attenuation Accuracy: 1-6 dB $\pm$ 0.5dB
7-20 dB $\pm$ 0.7 dB
21-30 dB $\pm$ 1.5 dB

VSWR: 1.15 max @ DC - 2.0 GHz, 1.20 max @ 2 - 4.0 GHz, 1.25 max @ 4.0 - 12.4 GHz
1.35 max @ 12.4 - 18.0 GHz, and 1.5 max @ 18.0 - 26.5 GHz

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

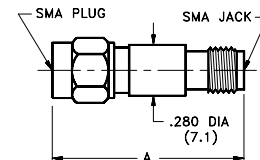
Peak Power: 200 Watts

Operating Temperature Range: -65 to +125C

Finish: Passivated Stainless Steel

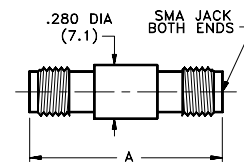


DC - 2.0 GHz		460 Series	Model Numbers
Male/Female	Female/Female	Male/Male	
ATT-0460-XX-SMA-02	ATT-460F-XX-SMA-02	ATT-460M-XX-SMA-02	
XX = Attenuation Value: Select 01-30*dB in 1dB increments only			
Wireless System Performance			



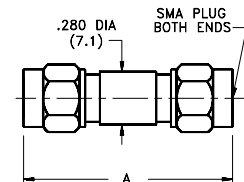
Attenuation Value	Length A
1-12 dB	0.86
13-30 dB	1.02

DC - 4.0 GHz		461 Series	Model Numbers
Male/Female	Female/Female	Male/Male	
ATT-0461-XX-SMA-02	ATT-461F-XX-SMA-02	ATT-461M-XX-SMA-02	
XX = Attenuation Value: Select 01-30*dB in 1dB increments only			
Wireless System Performance			



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

DC - 12.4 GHz		463 Series	Model Numbers
Male/Female	Female/Female	Male/Male	
ATT-0463-XX-SMA-02	ATT-463F-XX-SMA-02	ATT-463M-XX-SMA-02	
XX = Attenuation Value: Select 01-30*dB in 1dB increments only			
Wireless System Performance			



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

Note: * Higher dB levels are available on special request.

DC - 8 GHz units available as ATT-0462-XX-SMA-02 etc.


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SKU	Product	Frequency	Power	Body	Interface	Gender	dB	
Wireless Hex Body Subminiature MINIPAD SMA Attenuators								
ATT-461M-00-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	0	More Details
ATT-461M-01-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	1	More Details
ATT-461M-02-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	2	More Details
ATT-461M-03-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	3	More Details
ATT-461M-04-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	4	More Details
ATT-461M-05-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	5	More Details
ATT-461M-06-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	6	More Details
ATT-461M-07-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	7	More Details
ATT-461M-08-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	8	More Details
ATT-461M-09-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	9	More Details
ATT-461M-10-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	10	More Details
ATT-461M-11-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	11	More Details
ATT-461M-12-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	12	More Details
ATT-461M-13-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	13	More Details
ATT-461M-14-HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	14	More Details

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Attenuator

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ATT-0640-06-29M-02
6 dB DC-40 Ghz Attenuator
Subminiature Minipad
2.9mm/2.9mm 1 watt
Passivated

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QPL Termination

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M39030/3-09N
DC-18 Ghz QPL Termination
Gold Male SMA 2 watt

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ATT-461M-15- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	15	More Details
ATT-461M-16- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	16	More Details
ATT-461M-17- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	17	More Details
ATT-461M-18- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	18	More Details
ATT-461M-19- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	19	More Details
ATT-461M-20- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	20	More Details
ATT-461M-21- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	21	More Details
ATT-461M-22- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	22	More Details
ATT-461M-23- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	23	More Details
ATT-461M-24- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	24	More Details
ATT-461M-25- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	25	More Details
ATT-461M-26- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	26	More Details
ATT-461M-27- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	27	More Details
ATT-461M-28- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	28	More Details
ATT-461M-29- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	29	More Details
ATT-461M-30- HEX-02	Attenuator	4	2	HEX	SMA/SMA	M/M	30	More Details
Wireless Subminiature MINIPAD SMA Attenuators								
ATT-461M-00- SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	0	More Details
ATT-461M-01- SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	1	More Details
ATT-461M-02- SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	2	More Details
ATT-461M-03-	Attenuator	4	2	STD	SMA/SMA	M/M	3	More

SMA-02									Details
ATT-461M-04-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	4	More Details	
ATT-461M-05-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	5	More Details	
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ATT-461M-17-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	17	More Details	
ATT-461M-18-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	18	More Details	

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ATT-461M-20-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	20	More Details
ATT-461M-21-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	21	More Details
ATT-461M-22-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	22	More Details
ATT-461M-23-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	23	More Details
ATT-461M-24-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	24	More Details
ATT-461M-25-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	25	More Details
ATT-461M-26-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	26	More Details
ATT-461M-27-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	27	More Details
ATT-461M-28-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	28	More Details
ATT-461M-29-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	29	More Details
ATT-461M-30-SMA-02	Attenuator	4	2	STD	SMA/SMA	M/M	30	More Details

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 Subminiature Minipad
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