

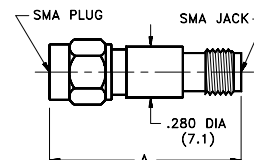
DC - 8.0 GHz	292 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0292-XX-SMA-02	ATT-292F-XX-SMA-02	ATT-292M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) HIGH PERFORMANCE		

DC - 2.0 GHz	294 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0294-XX-SMA-02	ATT-294F-XX-SMA-02	ATT-294M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) HIGH PERFORMANCE		



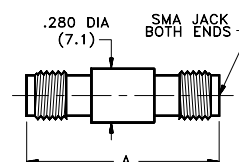
LOW VSWR - Type II High Performance Attenuators

DC - 18.0 GHz	451 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0451-XX-SMA-02	ATT-451F-XX-SMA-02	ATT-451M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments LOW VSWR - see improved performance specifications on page 10.		



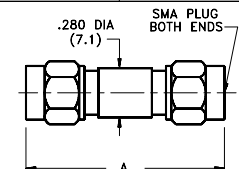
Attenuation Value	Length A
1-12 dB	0.86
13-30 dB	1.02

DC - 12.4 GHz	452 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0452-XX-SMA-02	ATT-452F-XX-SMA-02	ATT-452M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments LOW VSWR - see improved performance specifications on page 10.		



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

DC - 4.0 GHz	454 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0454-XX-SMA-02	ATT-454F-XX-SMA-02	ATT-454M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments LOW VSWR - see improved performance specifications on page 10.		



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

- Notes:
1. Low VSWR Models are available in Hex Body - Designate by substituting "HEX" for "SMA" in Model No.
 2. U.S. Patent No. 3,824,506 applies to all "MINIPAD"® Fixed Attenuators


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SKU	Product	Frequency	Power	Body	Interface	Gender	dB	
Low VSWR Subminiature MINIPAD SMA Fixed Attenuators								
ATT-451M-00-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	0	More Details
ATT-451M-01-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	1	More Details
ATT-451M-02-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	2	More Details
ATT-451M-03-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	3	More Details
ATT-451M-04-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	4	More Details
ATT-451M-05-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	5	More Details
ATT-451M-06-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	6	More Details
ATT-451M-07-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	7	More Details
ATT-451M-08-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	8	More Details
ATT-451M-09-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	9	More Details
ATT-451M-10-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	10	More Details
ATT-451M-11-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	11	More Details
ATT-451M-12-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	12	More Details
ATT-451M-13-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	13	More Details
ATT-451M-14-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	14	More Details

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DC-2 Ghz Termination Ultra
Short Miniature Female SMA
0.5 watt Passivated

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ATT-451M-15-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	15	More Details
ATT-451M-16-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	16	More Details
ATT-451M-17-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	17	More Details
ATT-451M-18-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	18	More Details
ATT-451M-19-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	19	More Details
ATT-451M-20-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	20	More Details
ATT-451M-21-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	21	More Details
ATT-451M-22-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	22	More Details
ATT-451M-23-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	23	More Details
ATT-451M-24-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	24	More Details
ATT-451M-25-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	25	More Details
ATT-451M-26-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	26	More Details
ATT-451M-27-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	27	More Details
ATT-451M-28-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	28	More Details
ATT-451M-29-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	29	More Details
ATT-451M-30-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	30	More Details
ATT-451M-70-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	0.5	More Details
ATT-451M-71-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	1.5	More Details
ATT-451M-72-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	2.5	More Details
ATT-451M-73-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	3.5	More Details

ATT-451M-74-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	4.5	More Details
ATT-451M-75-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	5.5	More Details
ATT-451M-76-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	6.5	More Details
ATT-451M-77-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	7.5	More Details
ATT-451M-78-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	8.5	More Details
ATT-451M-79-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	9.5	More Details
ATT-451M-80-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	10.5	More Details
ATT-451M-81-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	11.5	More Details
ATT-451M-82-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	12.5	More Details
ATT-451M-83-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	13.5	More Details
ATT-451M-84-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	14.5	More Details
ATT-451M-85-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	15.5	More Details
ATT-451M-86-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	16.5	More Details
ATT-451M-87-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	17.5	More Details
ATT-451M-88-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	18.5	More Details

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SKU	Product	Frequency	Power	Body	Interface	Gender	dB	
Low VSWR Subminiature MINIPAD SMA Fixed Attenuators								
ATT-451M-89-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	19.5	More Details
ATT-451M-90-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	20.5	More Details
ATT-451M-91-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	21.5	More Details
ATT-451M-92-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	22.5	More Details
ATT-451M-93-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	23.5	More Details
ATT-451M-94-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	24.5	More Details
ATT-451M-95-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	25.5	More Details
ATT-451M-96-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	26.5	More Details
ATT-451M-97-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	27.5	More Details
ATT-451M-98-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	28.5	More Details
ATT-451M-99-SMA-02	Attenuator	18	2	STD	SMA/SMA	M/M	29.5	More Details

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