

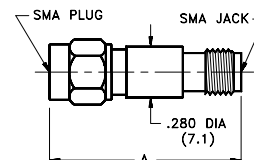
DC - 8.0 GHz	292 Series	Model Numbers
Male/Female	Female/Female	Male/Male
ATT-0292-XX-SMA-02	ATT-292F-XX-SMA-02	ATT-292M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available) HIGH PERFORMANCE		

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		



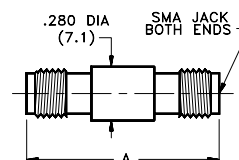
LOW VSWR - Type II High Performance Attenuators

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.		



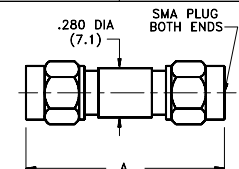
Attenuation Value	Length A
1-12 dB	0.86
13-30 dB	1.02

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-451F-00-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	0	More Details
ATT-451F-01-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	1	More Details
ATT-451F-02-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	2	More Details
ATT-451F-03-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	3	More Details
ATT-451F-04-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	4	More Details
ATT-451F-05-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	5	More Details
ATT-451F-06-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	6	More Details
ATT-451F-07-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	7	More Details
ATT-451F-08-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	8	More Details
ATT-451F-09-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	9	More Details
ATT-451F-10-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	10	More Details
ATT-451F-11-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	11	More Details
ATT-451F-12-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	12	More Details
ATT-451F-13-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	13	More Details
ATT-451F-14-SMA-02	Attenuator	18	2	STD	SMA/SMA	F/F	14	More Details

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ATT-0275-15-SMA-02
15 dB DC-18 Ghz Attenuator
Ultraminiature SMA/SMA 2
watt Passivated

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

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

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

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