



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Attenuators

SMA Subminiature "MINIPAD"®

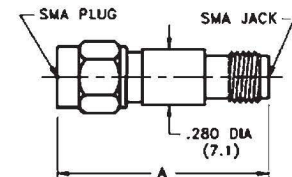
DC - 8.0 GHz		292 Series	Model Numbers
Male/Female		Female/Female	Male/Male
ATT-0292-XX-SMA-02		ATT-292F-XX-SMA-02	ATT-292M-XX-SMA-02
XX = Attenuation Value: Select 01-30dB in 1dB increments (.5 dB increments available)			
HIGH PERFORMANCE			



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			

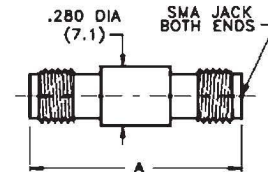
LOW VSWR - Type II High Performance Attenuators

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.			



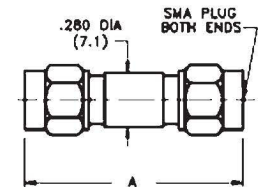
Attenuation Value	Length A
1-12 dB	0.86
13-30 dB	1.02

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

Note : 1. Low VSWR Models are available in Hex Body - Designate by substituting "HEX" for "SMA" in Model No.