

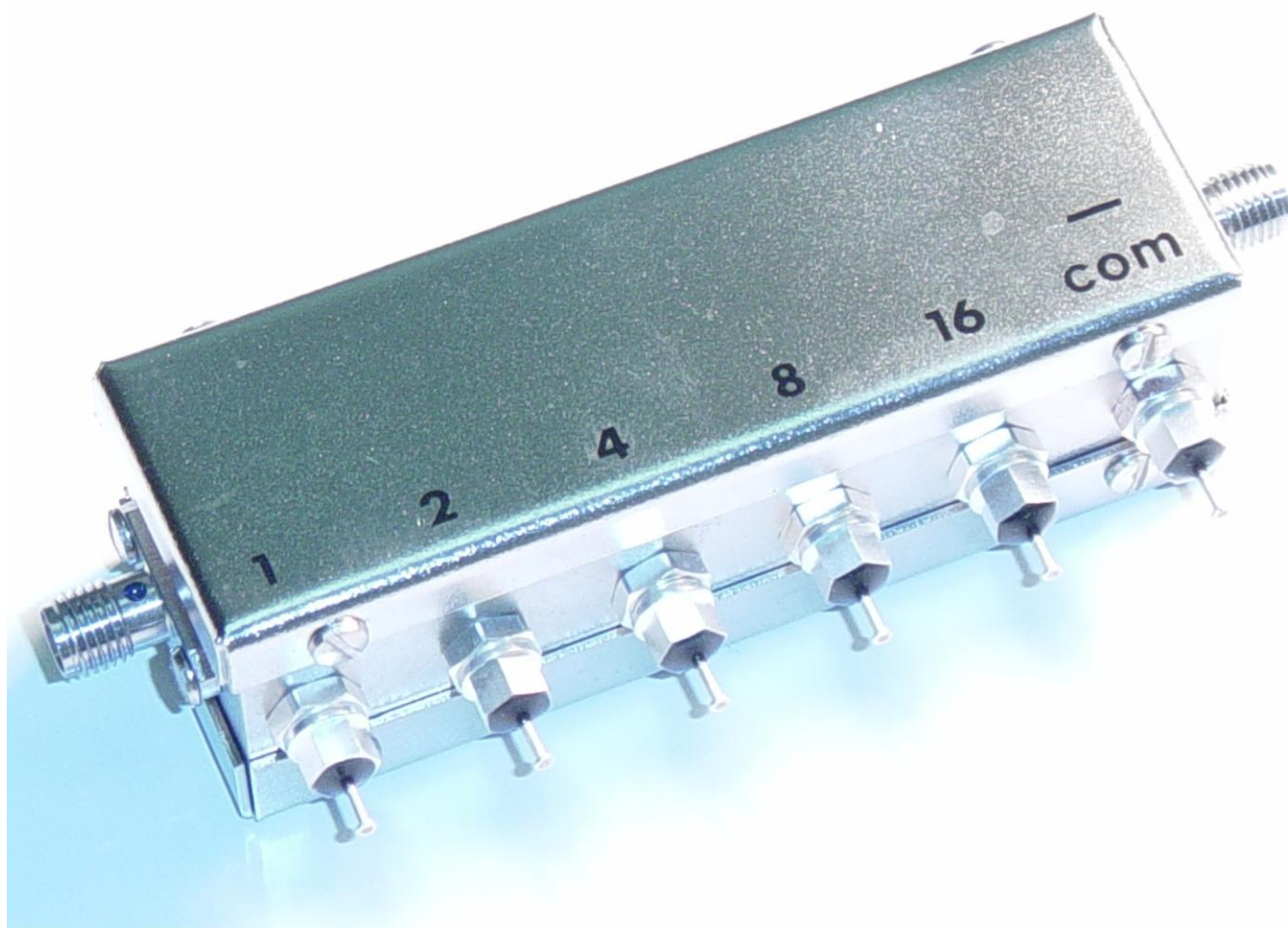


**The Name for
Attenuators**

PROGRAMMABLE ATTENUATORS

3 GHz Miniature MDA-3 Series

Alan Industries' MDA-3 Series of Programmable Attenuators operates over an extended DC-3 GHz frequency range while maintaining low VSWR. Our MDA-3 Series has one EMI-RFI filter per bit and all bits interconnect to a single common filter for the opposing polarity. Standard units are arranged in a binary sequence, but custom attenuation steps are available upon request.



Alan

Industries, Inc.

745 Greenway Drive • Columbus, Indiana 47201 • USA
800-423-5190 or 812-372-8869 • Fax: 812-372-5909
www.alanindustries.com • sales@alanindustries.com



**The Name for
Attenuators**

MDA-3 Series

ELECTRICAL SPECIFICATIONS

MODEL	50MDA15-3	50MDA31-3	50MDA63-3	50MDA127-3
ATTENUATION RANGE	0-15 dB	0-31 dB	0-63 dB	0-127 dB
ATTENUATION STEPS	1, 2, 4, 8 dB	1, 2, 4, 8, 16 dB	1, 2, 4, 8, 16, 32 dB	1, 2, 4, 8, 16, 32, 64 dB
NUMBER OF BITS	4	5	7	11
OVERALL ACCURACY	± 0.9 dB	± 1.2 dB	± 2.0 dB	± 4.0 dB
INSERTION LOSS (Max.)	2.8 dB	3.5 dB	4.9 dB	7.7 dB
FREQUENCY RANGE	DC – 3 GHz			
IMPEDANCE	50 Ohms			
MAXIMUM VSWR	1.5:1			
AVERAGE POWER	0.5 Watts			
RF CONNECTORS	Female SMA, BNC, N , TNC			
DC CONTROL	12 VDC @ 31 ma per bit			
SWITCHING SPEED	6 msec. maximum			
SWITCH LIFE	10,000,000 selections per bit			
COMMON FILTER	Units will be supplied with a negative polarity common filter as standard. The common filter can be supplied with positive polarity if specified at time of order.			
MOUNTING CONFIGURATION	Units will be supplied with swage nut mounting as standard. Optional Four hole flange mounting can be supplied if specified at time of order.			
RoHS COMPLIANCE	RoHS Compliant upon request			

TO ORDER SPECIFY: Model number as appears above, add connector type For example to order with 63 dB of attenuation range and SMA connectors, order Alan Model 50MDA63-3 SMA.

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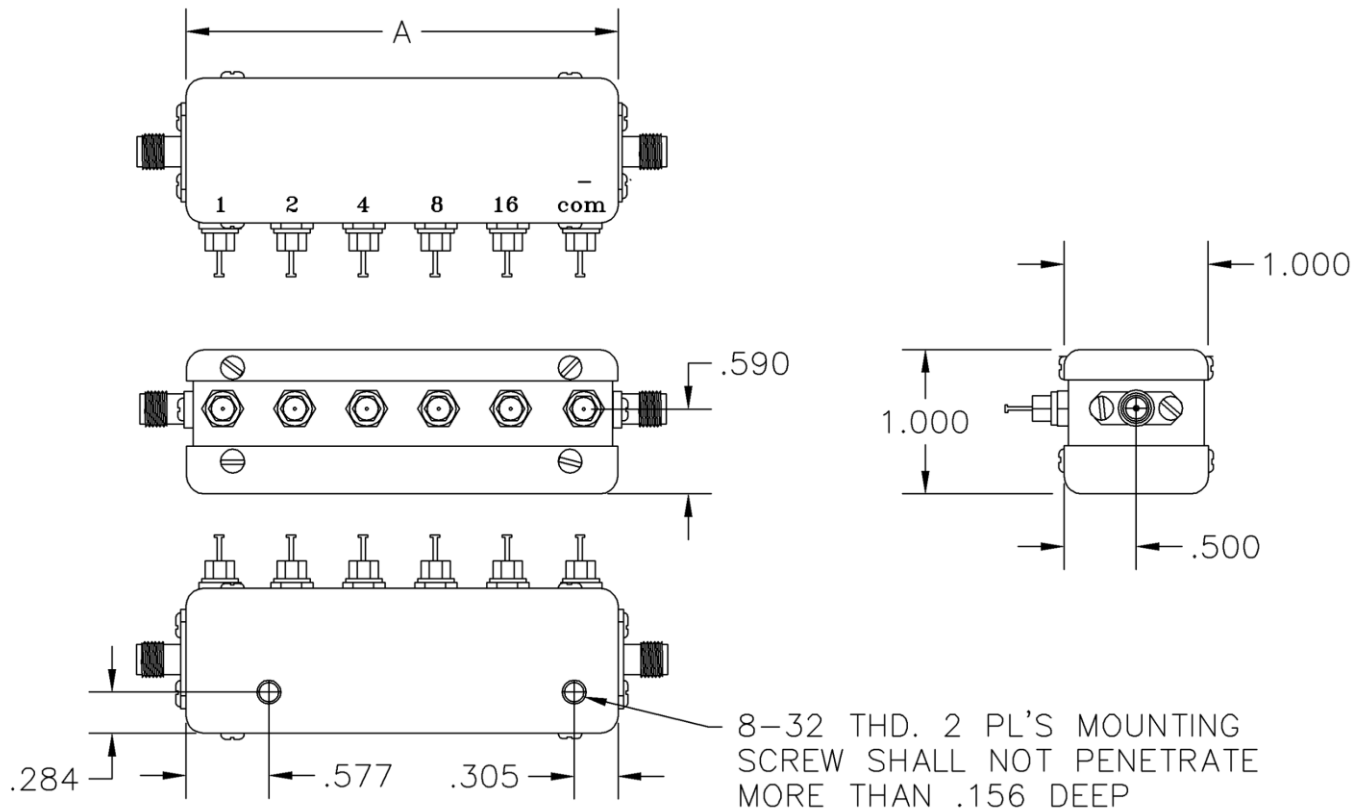


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STANDARD CONFIGURATION

NUMBER OF BITS	A
4	2.500
5	3.000
7	4.000
11	6.000



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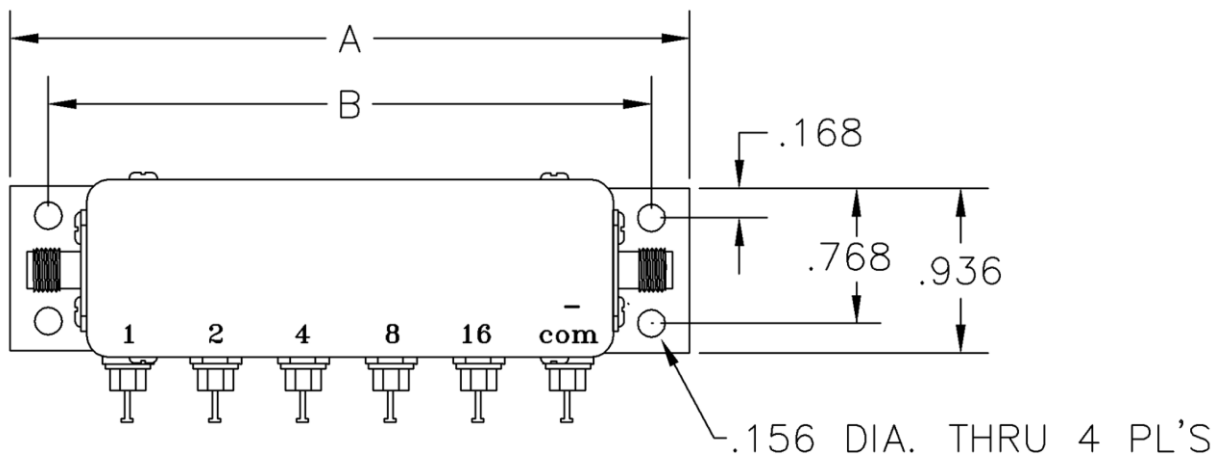


The Name for
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MDA-3 Series

OPTIONAL CONFIGURATION FOUR HOLE FLANGE MOUNT

NUMBER OF BITS	A	B
4	3.372	2.936
5	3.872	3.436
7	4.872	4.436
11	6.872	6.436



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