



**The Name for
Attenuators**

DUAL CONCENTRIC ATTENUATORS DV Series

Alan Industries' DV Series features high reliability and excellent accuracy specifications covering as high as 1.5 GHz in frequency and a wide selection of steps and total attenuation ranges. All units feature direct reading dials to guarantee accurate readings at a glance. Total attenuation ranges of 10.9, 49, 79 and 109 dB are available.



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
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DV Series

50 Ohm ELECTRICAL SPECIFICATIONS

MODEL		50DV10.9	50DV49	50DV79	50DV109
ATTENUATION RANGE		0 - 10.9 dB 0.1 dB Steps	0 - 49 dB 1.0 dB Steps	0 - 79 dB 1.0 dB Steps	0 - 109 dB 1.0 dB Steps
FREQUENCY RANGE		DC - 0.5 GHz	DC - 1.5 GHz		DC - 1 GHz
IMPEDANCE		50 Ohms			
ACCURACY	DC - 30 MHz	0 - 0.9: ± 0.02 dB 1 - 10.9: ± 0.1 dB	0 - 9: ± 0.2 dB 10 - 49: ± 0.4 dB	0 - 9: ± 0.2 dB 10 - 79: ± 0.4 dB	0 - 9: ± 0.2 dB 10 - 109: ± 0.5 dB
	30 - 500 MHz	0 - 0.9: ± 0.03 dB 1 - 10.9: ± 0.2 dB	0 - 9: ± 0.3 dB 10 - 49: ± 0.5 dB	0 - 9: ± 0.3 dB 10 - 79: ± 0.5 dB	0 - 9: ± 0.2 dB 10 - 109: ± 1.0 dB
	0.5 - 1 GHz	N/A	0 - 9: ± 0.3 dB 10 - 49: ± 0.5 dB	0 - 9: ± 0.3 dB 10 - 79: ± 1.0 dB	0 - 9: ± 0.3 dB 10 - 109: ± 3 %
	1 - 1.5 GHz	N/A	0-9: ± 0.3 dB 10-49: ± 1.0 dB	0-9: ± 0.3 dB 10-79: ± 1.5 dB	N/A
MAX. SWR		1.2:1	1.5:1	1.5:1	1.4:1
MAX. INSERTION LOSS		0.7 dB	0.5 dB		
AVERAGE POWER		1 Watt	0.5 Watt		
DIMENSIONAL DRAWING		A		B	
TEMPERATURE RANGE		-20° C to +125° C			
CONNECTORS		BNC, N, SMA or TNC			
MOUNTING		Panel Mount standard, Bench-Top bracket optional			
RoHS COMPLIANCE		RoHS Compliant upon request			

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75 Ohm ELECTRICAL SPECIFICATIONS

MODEL		75DV10.9	75DV49	75DV79
ATTENUATION RANGE		0 - 10.9 dB 0.1 dB Steps	0 - 49 dB 1.0 dB Steps	0 - 79 dB 1.0 dB Steps
FREQUENCY RANGE		DC - 0.5 GHz	DC - 1 GHz	
IMPEDANCE		75 Ohms		
ACCURACY	DC - 30 MHz	0 - 0.9: ± 0.02 dB 1 - 10.9: ± 0.2 dB	0 - 9: ± 0.2 dB 10 - 49: ± 0.4 dB	0 - 9: ± 0.2 dB 10 - 79: ± 0.4 dB
	30 - 500 MHz	0 - 0.9: ± 0.03 dB 1 - 10.9: ± 0.2 dB	0 - 9: ± 0.3 dB 10 - 49: ± 0.5 dB	0 - 9: ± 0.3 dB 10 - 79: ± 0.5 dB
	0.5 - 1 GHz	N/A	0 - 9: ± 0.3 dB 10 - 49: ± 1.0 dB	0 - 9: ± 0.3 dB 10 - 79: ± 1.0 dB
MAX. SWR		1.3:1	1.4:1	
MAX. INSERTION LOSS		0.7 dB	0.5 dB	
AVERAGE POWER		1 Watt	0.5 Watt	
DIMENSIONAL DRAWING		A		B
TEMPERATURE RANGE		-20° C to +125° C		
CONNECTORS		BNC, F, N or TNC		
MOUNTING		Panel Mount standard, Bench-Top bracket optional		
RoHS COMPLIANCE		RoHS Compliant upon request		

TO ORDER SPECIFY: Impedance, Category (DV), Total Attenuation Range, and Connector, add -BT for Bench-Top bracket. For example, to order a 50 Ohm unit with total attenuation of 79 dB and SMA connectors, order Alan Model 50DV79 SMA

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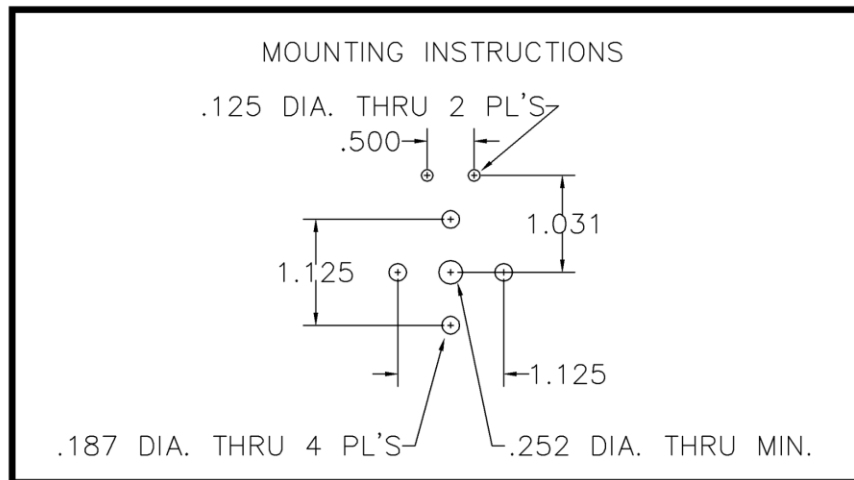
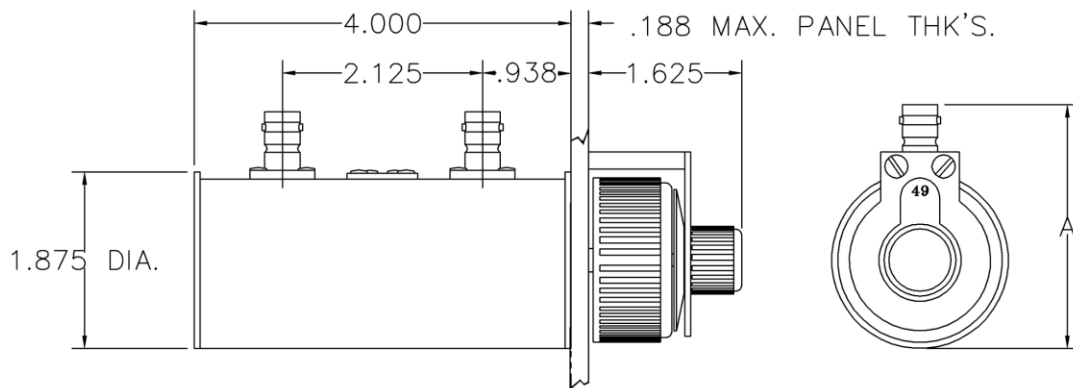


**The Name for
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DV Series

DIMENSIONAL DRAWING A

CONNECTOR	BNC	F	N	SMA	TNC
DIMENSION A	2.520	2.470	2.790	2.180	2.520



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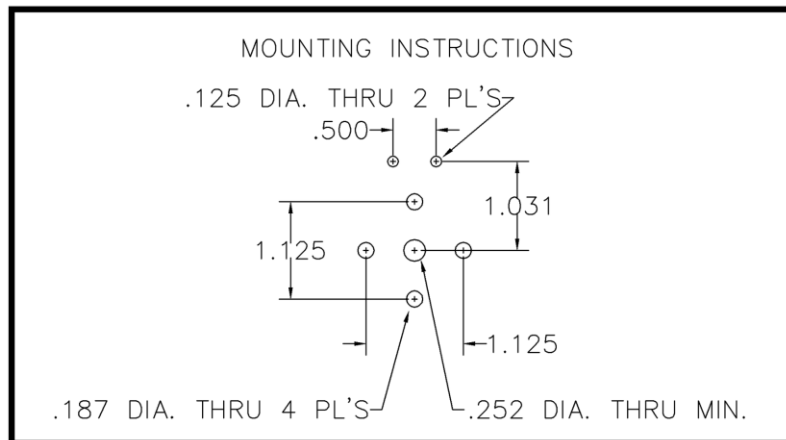
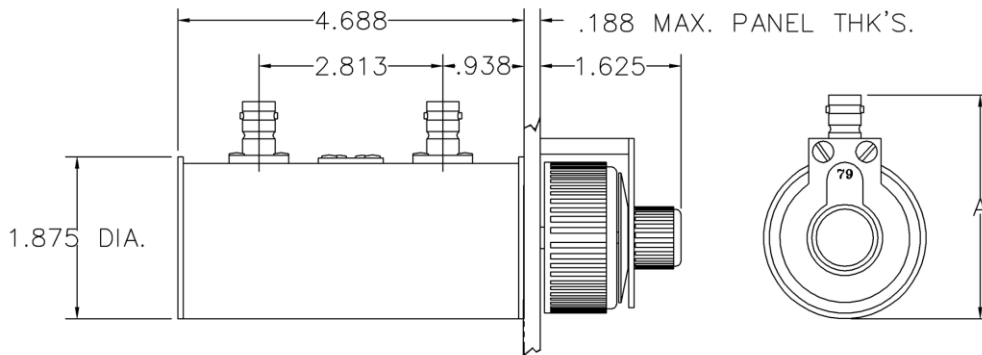


**The Name for
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DV Series

DIMENSIONAL DRAWING B

CONNECTOR	BNC	F	N	SMA	TNC
DIMENSION A	2.520	2.470	2.790	2.180	2.520



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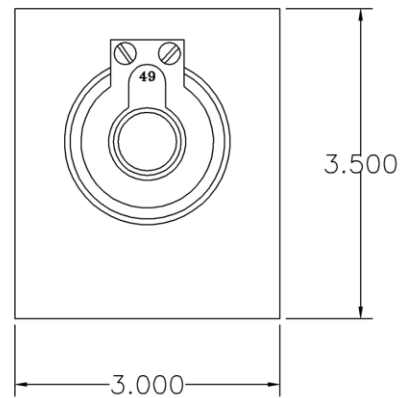
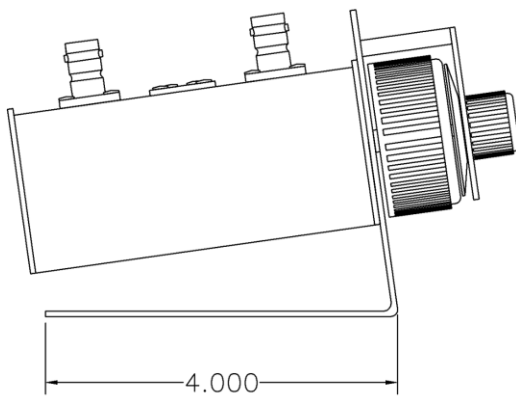
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BENCH –TOP BRACKET OPTION



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