



**The Name for
Attenuators**

ACCESSORIES VIDEO to UHF BROADBAND DETECTORS D Series

Alan Industries' Detectors are ideal for most laboratory and system applications. The 50D and 75D combine flat frequency response and low SWR with an operating frequency up to 2.5 GHz. The frequency characteristics of RF devices are conveniently measured with the 50D and 75D detectors, a leveled sweep generator and an oscilloscope. The RF output of the device, such as a broadband amplifier, is converted to DC by the detector and displayed on the vertical axis of the oscilloscope. The horizontal axis of the oscilloscope is driven by the sweep voltage of the sweep oscillator.



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



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D Series

50 OHM ELECTRICAL SPECIFICATIONS

MODEL	50D-1	50D-2
FREQUENCY RANGE	100 KHz - 2.5 GHz	100 KHz - 0.5 GHz
INPUT IMPEDANCE	50 Ohms	
OUTPUT POLARITY	Negative is standard Positive available when specified	
MAXIMUM SWR	DC - 2 GHz: 1.3:1 2 - 2.5 GHz: 1.4:1	
TANGENTIAL SIGNAL SENSITIVITY	-40 dBm minimum	
CONNECTORS RF-IN	BNC, N, SMA, TNC, UHF	
CONNECTORS DC-OUT	BNC, N, SMA, TNC, UHF	
MAXIMUM INPUT POWER	180 mw	1 Watt
RoHS COMPLIANCE	RoHS Compliant upon request	

75 OHM ELECTRICAL SPECIFICATIONS

MODEL	75D-1	75D-2
FREQUENCY RANGE	100 KHz - 1 GHz	100 KHz - 0.5 GHz
INPUT IMPEDANCE	75 Ohms	
OUTPUT POLARITY	Negative is standard Positive available when specified	
MAXIMUM SWR	1.2:1	
TANGENTIAL SIGNAL SENSITIVITY	-40 dBm minimum	
CONNECTORS RF-IN	BNC, F, N, TNC	
CONNECTORS DC-OUT	BNC, F, N, TNC	
MAXIMUM INPUT POWER	180 mw	1 Watt
RoHS COMPLIANCE	RoHS Compliant upon request	

TO ORDER SPECIFY: Impedance, Category (D-1 or D-2), and Connectors. For example, to order a 50 Ohm, D-1 with BNC connectors, order Alan Model 50D-1 BNC. Please also specify Positive output polarity if desired.



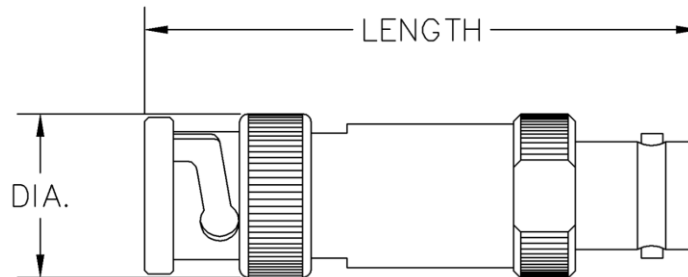
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PHYSICAL DIMENSIONS



CONNECTOR	LENGTH	MAX. DIA
BNC	1.935	0.575
F	2.343	0.525
N	2.525	0.795
SMA	1.410	0.375
TNC	1.925	0.600
UHF	3.276	0.750

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