



**The Name for  
Attenuators**

## **50 OHM TERMINATIONS & PRECISION LOADS T Series**

Alan Industries' T Series Terminations are low power, single terminal devices intended to terminate 50 Ohm transmission lines. They are available in a wide selection of connectors, and are particularly well suited for use as reference loads on hybrid junctions, reflection co-efficient bridges and directional couplers. They are useful as termination loads for impedance measurements, and as dummy antennas.

## **L Series**

Alan Industries' L Series of Precision Loads is designed for use when a known value of SWR or Return Loss is necessary for calibration purposes such as bridge measurements. When ordering, please specify the exact values desired.



**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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## 50 Ohm T and L Series

### ELECTRICAL SPECIFICATIONS

MODEL	50T	50L
IMPEDANCE	50 Ohm	
FREQUENCY RANGE	DC – 3 GHz	DC – 2 GHz
MAXIMUM SWR	1.15: 1 @ 2 GHz 1.2:1 @ 3 GHz	N/A
LOAD VALUES	N/A	1.0:1, 1.1:1, 1.2:1, 1.5:1, 2.0:1*
SWR ACCURACY	N/A	DC - 1 GHz: $\pm 3\%$ 1 - 2 GHz: $\pm 5\%$
TEMPERATURE RANGE	-20° C to +125° C	
AVERAGE POWER	0.5 Watt	
CONNECTORS (Male or Female)	BNC, N, SMA, SMB, SMC, TNC	
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>	

\* Other values available upon request

**TO ORDER TERMINATIONS SPECIFY:** Impedance, Category (T), connector type and connector sex. For example, to order a 50 Ohm unit with a BNC Male connector, order Alan Model 50T BM.

**TO ORDER PRECISION LOADS SPECIFY:** Impedance, Category (L), exact value desired, connector type and connector sex. For example, to order a 50 Ohm unit with a BNC Male connector and SWR of 1.0:1, order Alan Model 50L1.0: 1 BM

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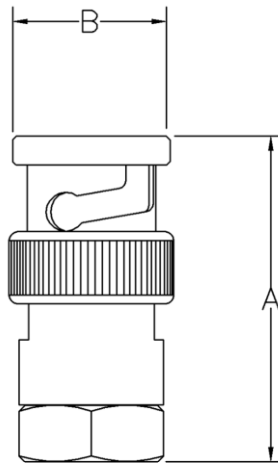


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### PHYSICAL DIMENSIONS

CONNECTOR	A	B
BNC Male	1.125	0.575
BNC Female	1.200	0.575
N Male	1.440	0.789
N Female	1.475	0.625
SMA Male	0.945	0.406
SMA Female	0.844	0.406
SMB Male	0.970	0.406
SMB Female	0.965	0.406
SMC Male	0.970	0.406
SMC Female	0.960	0.406
TNC Male	1.156	0.625
TNC Female	1.219	0.575



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