



**The Name for  
Attenuators**

## **FIXED ATTENUATORS: 50 OHM SP Series**

Alan Industries' 50SP Series of Coaxial Attenuators provides the user with a small, reliable and economical general-purpose pad. The 50SP Series operates over the frequency range of DC - 2.5 GHz or DC - 1 GHz.



**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 SP Series**

## **ELECTRICAL SPECIFICATIONS**

<b>MODEL</b>	<b>50SP</b>	
ATTENUATION RANGE	1 - 20 dB	21 - 60 dB
FREQUENCY RANGE	DC - 2.5 GHz *	DC - 1 GHz
IMPEDANCE	50 Ohms	
ACCURACY		
DC - 1000 MHz	± 0.5 dB	± 1.5 dB
1000 - 2500 MHz	± 1.5 dB	N/A
MAXIMUM SWR		
DC - 1000 MHz	1.2:1	1.2:1
1000 - 2500 MHz	1.4:1	N/A
AVERAGE POWER	2 Watts	0.5 Watts
TEMPERATURE RANGE	-20° C to +125° C	
CONNECTORS	BNC, TNC, N, SMA, SMB, SMC	
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>	

**\*SMB, SMC to 2 GHz**

**TO ORDER SPECIFY:** Impedance, Category (SP), Total Attenuation and Connectors. For example, to order a 50 Ohm unit with 10 dB attenuation and BNC connectors, order Alan Model 50SP10 BNC.

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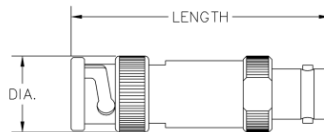
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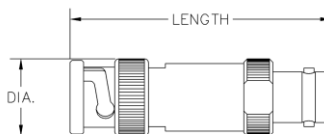
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**PHYSICAL DIMENSIONS  
1-20 dB**



CONNECTOR	LENGTH	MAX. DIAMETER
BNC	1.935	0.575
N	2.525	0.795
SMA	1.410	0.375
SMB	1.560	0.375
SMC	1.560	0.375
TNC	1.925	0.600

**21-60 dB**



CONNECTOR	LENGTH	MAX. DIAMETER
BNC	2.636	0.575
N	3.225	0.795
SMA	1.975	0.375
SMB	1.560	0.375
SMC	1.560	0.375
TNC	2.623	0.600

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