



**The Name for  
Attenuators**

## **FIXED ATTENUATORS KIT Series**

Alan Industries offers a complete line of Fixed Attenuators in kit form. These kits are supplied in standard values shown below or you may select the attenuation values you require. Kits may be selected from the SP, MP, MHP, or HP Series. Each attenuator is furnished with calibration data traceable to the National Institute of Standards. The attenuators are housed in an attractive hardwood enclosure.



**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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**KIT Series**

## ELECTRICAL SPECIFICATIONS

MODEL	50SP3-20( )KIT	50SP30-50( )KIT	50MP3-20( )KIT
SERIES	SP	SP	MP
FREQUENCY RANGE	DC - 2.5 GHz	DC - 1 GHz	DC - 18 GHz
ATTENUATION VALUES	3, 6, 10, 20 dB	30, 40, 50, 60 dB	3, 6, 10, 20 dB
ACCURACY	DC - 1 GHz: $\pm 0.5$ dB 1 - 2 GHz: $\pm 1.5$ dB	$\pm 1.5$ dB	$\pm 0.5$ dB
SWR MAXIMUM	1.4:1	1.2:1	1.35:1
AVERAGE POWER	1 Watt	0.5 Watt	2 Watt
TEMPERATURE RANGE	-20° C to +125° C		
CONNECTORS	BNC, TNC, N, SMA		SMA, N
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>		

\* OTHER dB VALUES AVAILABLE, CONSULT FACTORY

**TO ORDER SPECIFY:** Model number as appears above, replace ( ) with connector type. B= BNC, N= N, S= SMA, T= TNC. For example, to order a SP 50 Ohm kit with 3, 6, 10, 20 dB pads and BNC connectors, order Alan Model 50SP3-20BKIT.

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## ELECTRICAL SPECIFICATIONS

MODEL	50MHP3-20( )KIT	50HP3-20-10( )KIT	50HP3-20-25( )KIT
SERIES	MHP	HP	HP
FREQUENCY RANGE	DC - 18 GHz	DC - 2 GHz	DC - 2 GHz
ATTENUATION VALUES	3, 6, 10, 20 dB	3, 6, 10, 20 dB	3, 6, 10, 20 dB
ACCURACY	± 0.5 dB	DC - 1 GHz: ± 0.5 dB 1 - 2 GHz: ± 1.5 dB	DC - 1 GHz: ± 0.5 dB 1 - 2 GHz ± 1.5 dB
SWR MAXIMUM	1.35:1	1.25:1	
AVERAGE POWER	5 Watts	10 Watts	25 Watts
TEMPERATURE RANGE	-25° C to +85° C		
CONNECTORS	SMA, N	BNC, TNC, N, SMA	
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>		

**\* OTHER dB VALUES AVAILABLE, CONSULT FACTORY**

**TO ORDER SPECIFY:** Model number as appears above, replace ( ) with connector type. B= BNC, N= N, S= SMA, T= TNC. For example, to order a SP 50 Ohm kit with 3, 6, 10, 20 dB pads and BNC connectors, order Alan Model 50SP3-20BKIT.

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