



**The Name for  
Attenuators**

## **FIXED ATTENUATORS: MINIATURE HIGH FREQUENCY MMP & MP Series**

Alan Industries' MMP & MP Series of attenuator pads have been designed to provide excellent performance to 18 GHz. The MMP Series is our smallest attenuator at just 0.86 inches long in values of 1 - 12 dB. The MP Series is also available with N Connectors.



**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  
Attenuators**

MMP & MP Series

## ELECTRICAL SPECIFICATIONS

MODEL	50MMP	50MP
ATTENUATION VALUES	1 - 30 dB	1 - 60 dB
FREQUENCY RANGE	DC - 18GHz	
IMPEDANCE	50 Ohm	
ATTENUATION ACCURACY	1 - 6 dB $\pm$ 0.4 dB 7 - 20 dB $\pm$ 0.5dB 21 - 30 dB $\pm$ 1.0dB	1 - 6 dB $\pm$ 0.4 dB 7 - 20 dB $\pm$ 0.5dB 21 - 30 dB $\pm$ 1.0dB 31 - 60 dB $\pm$ 1.5dB
POWER	2 Watts Average	
SWR	DC - 4 GHz 4 - 8 GHz 8 - 12 GHz 12 - 18 GHz	1.15:1 1.20:1 1.25:1 1.35:1
TEMPERATURE RANGE	-55°C to +125°C	
CONNECTOR	SMA	SMA or N
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>	

**TO ORDER SPECIFY:** Impedance, Category (MMP or MP), Attenuation Value and Connector type. For example to order a 50 Ohm unit with 3 dB of attenuation and SMA connectors, order Alan Model 50MP3 SMA.

**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



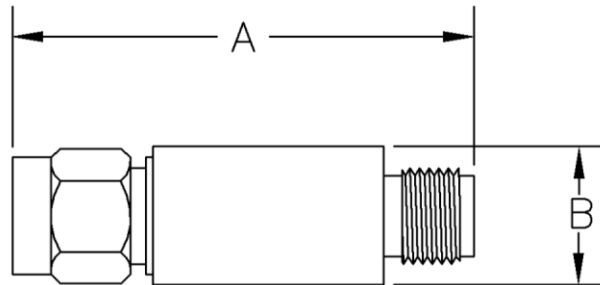
**The Name for  
Attenuators**

MMP & MP Series

## PHYSICAL DIMENSIONS

MMP Series		
dB Value	A	B
1-12 dB	0.86	0.28
13-30 dB	0.99	0.28

MP Series		
CONNECTOR	A	B
N: 1-30 dB	1.775	0.625
N: 31-60 dB	2.055	0.625
SMA: 1-30 dB	1.210	0.360
SMA: 31-60 dB	1.490	0.360



**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