

## Attenuators - Medium Power SMA

- 5 - 50 Watts
- DC - 18.0GHz
- 0 - 40 dB
- Convection Cooled



### General Specifications

Impedance	50 ohms
Body	Anodised Aluminium
Connectors	SMA Stainless Steel to MIL-C-39012
Standard Configuration	Male Input/Female Output Single Sex Versions also available
Operating Temperature	-65 +125C
Power Derating:	Linear to +125C

Model No	Freq Range (GHz)	Standard Attenuation Values (dB)	Attenuation Accuracy (+/- dB)				VSWR max.	Average Power (Watts)		Peak Power (Watts)	Fig
			0-6 (dB)	7-20 (dB)	21-30 (dB)	40 (dB)		25C	125C		
5 Watts											
AB06W5-xx	DC-6.0	0-10, 12, 15, 20, 30, 40	0.30	0.50	0.75	1.50	1.20	5.0	1.0	500	1
AB18W5-xx	DC-18.0	0-10, 12, 15, 20, 30, 40	0.30	0.50	0.75	1.50	1.35	5.0	1.0	500	1
10 Watts											
AB06W10-xx	DC-6.0	0-10, 12, 20, 30, 40	0.30	0.50	0.70	0.70	1.20	10.0	2.0	500	2
AB18W10-xx	DC-18.0	0-10, 12, 20, 30, 40	0.50	0.70	1.00	1.00	1.40	10.0	2.0	500	2
25 Watts											
AB06W25-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.30	0.50	0.75	1.00	1.20	25.0	5.0	500	3
AB18W25-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1.00	1.25	1.50	1.40	25.0	5.0	500	3
50 Watts											
AB06W50-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.75	0.75	0.75	1.00	1.25	50.0	10.0	500	4
AB18W50-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1.00	1.25	1.50	1.45	50.0	10.0	500	4

Fig	Dimensions inches (mm)			
	Length (L)	Diameter (D)	Width (W)	Height (H)
1	1.20 (30.5)	0.61 (15.49)		-
2	1.70 (43.2)	1.00 (25.40)		-
3	3.79 (96.3)		2.65 (67.31)	2.65 (67.31)
4	3.79 (96.1)		3.50 (88.90)	2.65 (67.31)

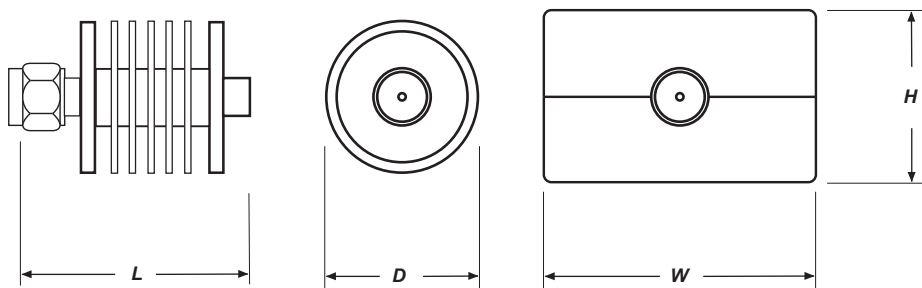
### Notes:

- (1) Attenuation values shown as 0-10dB are in 1dB increments.
- (2) Max VSWR is shown at highest operating frequency, VSWR is lower at lower frequencies.
- (3) For complete part number add attenuation value in place of -xx, e.g. AB18W5-10 for 10dB.

### Options:

- For single sex versions use suffix "M" (Male) or "F" (Female) after model no.
- Dimensions are for Male/Female connectors. Please ask for size of single sex versions.
- Higher power versions are also available, please consult factory.

Outline is a typical illustration only, the number of fins varies from model to model.  
For detailed outlines please consult factory



We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

### Passive Components