

## Attenuators - Medium Power SMA

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

Operating frequency range DC-18GHz

Anodised Aluminium

Convection Cooled

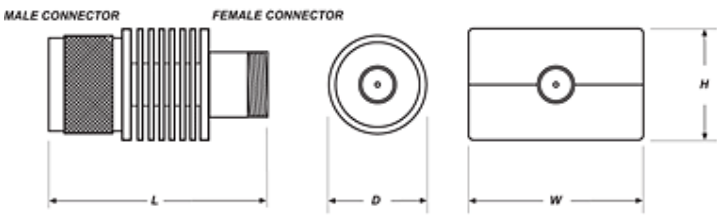
Single sex versions available

50 ohms impedance

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

Fig	Dimensions inches (mm)	Dimensions inches (mm)		
		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)

Model No	Frequency Range (GHz)	Standard Attenuation Values (dB)	Attenuation Accuracy +/- dB				VS WR (max.)	Average Power (Watts)		Peak Power (Watt)	Fig
			0-6 dB	7-20dB	21-30dB	40dB		25C	125C		
5 Watts											
AB06W5-xx	DC-6.0	0-10, 12, 15, 20, 30, 40	0.3	0.5	0.75	1.5	1.2	5	1	500	1
AB18W5-xx	DC-18.0	0-10, 12, 15, 20, 30, 40	0.3	0.5	0.75	1.5	1.35	5	1	500	1
10 Watts											
AB06W10-xx	DC-6.0	0-10, 12, 20, 30, 40	0.3	0.5	0.7	0.7	1.2	10	2	500	2
AB18W10-xx	DC-18.0	0-10, 12, 20, 30, 40	0.5	0.7	1	1	1.4	10	2	500	2
25 Watts											
AB06W25-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.3	0.5	0.75	1	1.2	25	5	500	3
AB18W25-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1	1.25	1.5	1.4	25	5	500	3
50 Watts											
AB06W50-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.75	0.75	0.75	1	1.25	50	10	500	4
AB18W50-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1	1.25	1.5	1.45	50	10	500	4



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

- 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.

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

