

Atlantic Microwave Attenuators - Medium Power Type N



Operating frequency range DC-18GHz



Anodised Aluminium



Convection Cooled

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



50 ohms impedance



Single sex versions available

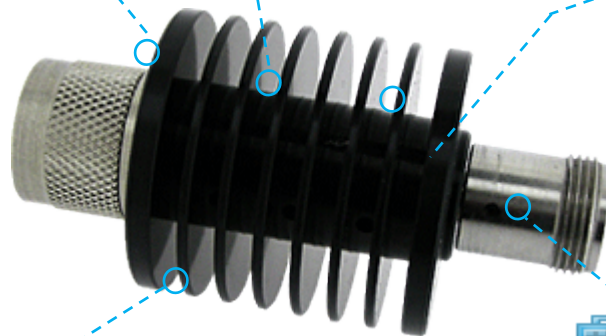


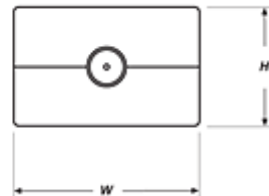
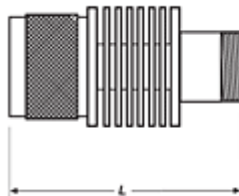
Fig	Dimensions inches (mm)	Dimensions inches (mm)		
		Diameter (D)	Width (W)	Height (H)
1	1.90 (48.3)	0.827 (21.01) max.	-	-
2	2.41 (61.2)	1.00 (25.40)	-	-
3	4.50 (114.3)	-	2.65 (67.31)	2.65 (67.31)
4	4.50 (114.2)	-	3.50 (88.90)	2.65 (67.31)

General Specifications	
Impedance	50 ohms
Body	Anodised Aluminium
Connectors	Type N 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	Frequency Range (GHz)	Standard Attenuation Values (dB)	Attenuation Accuracy +/- dB				VSWR (max.)	Average Power (Watts)		Peak Power (Watts)	Fig
			0-6 dB	7-20dB	21-30 dB	40dB		25C	125C		
5 Watts											
AN06W5-xx	DC-6.0	0-10, 12, 15, 20, 30, 40	0.30	0.50	0.75	1.50	1.20	5	1	500	1
AN18W5-xx	DC-18.0	0-10, 12, 15, 20, 30, 40	0.30	0.50	0.75	1.50	1.35	5	1	500	1
10 Watts											
AN06W10-xx	DC-6.0	0-10, 12, 20, 30, 40	0.30	0.50	0.70	0.70	1.20	10	2	500	2
AN18W10-xx	DC-18.0	0-10, 12, 20, 30, 40	0.50	0.70	1.00	1.00	1.40	10	2	500	2
25 Watts											
AN06W25-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.30	0.50	0.75	1.00	1.20	25	5	500	3
AN18W25-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1.00	1.25	1.50	1.40	25	5	500	3
50 Watts											
AN06W50-xx	DC-6.0	3, 6, 10, 20, 30, 40	0.75	0.75	0.75	1.00	1.25	50	10	500	4
AN18W50-xx	DC-18.0	3, 6, 10, 20, 30, 40	0.75	1.00	1.25	1.50	1.45	50	10	500	4

MALE CONNECTOR

FEMALE CONNECTOR



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. AN18W5-10 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.

