

Atlantic Microwave

Attenuators

Type N, TNC, BNC, SMP

- 2 watts
- DC - 26.5 GHz
- 1 - 60 dB
- Small Size
- Flat Response



Operating frequency range DC—26.5GHz



Small size



Flat response



50 ohms impedance



Single sex versions available

General Specifications	
Impedance	50 ohms
Connectors	Type N, TNC, BNC, SMP to MIL-C-39012 AN06-xxBR Type N Plated Brass
Standard Configuration	Male Input / Female Output Single sex versions also available
Operating Temperature	-65 +125C (SMP -55 +85C) (AN06-XXBR -20 +85C)
Power Derating	Linear to +125C

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.

Conn Type	Attenuation (dB)	Dimensions inches (mm)	
	Attenuation (dB)	Length L	Diameter D
N	0-30 & 40	1.76 (44.7)	0.62 (15.8)
N	31-60 (except 40dB)	2.04 (51.8)	0.62 (15.8)
TNC	0-30 & 40	2.07 (52.5)	0.56 (14.2)
TNC	31-60 (except 40dB)	2.35 (59.7)	0.58 (14.8)
BNC	0-30	1.36 (34.5)	0.50 (12.7)
SMP	0-12	0.61 (15.49)	0.25 (6.4)
SMP	13, 20, 30	0.74 (18.8)	0.25 (6.4)

- Notes:** (1) Attenuation values shown as 0-13dB 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. AA18-06 for 6dB.
(4) For complete SMP part number add F for full detent (force to engage 15 lbs) or L for limited detent (force to engage 5 lbs), e.g. ASM-03L for 3 dB limited detent SMP male / female.

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.

Model Number	Freq Range GHz	Standard Attenuation Values (dB)	Atten Steps (dB)	Attenuation Accuracy +/- dB								Average Power (watts)	
				1-6 dB	7-12 dB	7-20 dB	13-20 dB	21-30 dB	31-40 dB	41-60 dB	VSWR (max)	25C	125C
AN02-XX	N	DC-2.5	0-10, 12, 15, 20, 30, 40, 50, 60	0.3	-	0.5	-	0.75	1.5	1.5	1.25	2.0	0.5
AN06-XX	N	DC-6.0	0-10, 12, 15, 20, 30, 40, 50, 60	0.3	-	0.5	-	0.75	1.5	1.5	1.20	2.0	0.5
AN06-xxBR	N	DC-6.0	1-10, 12, 15, 20, 30 40	0.3	-	0.5	-	0.9	1.5	-	1.25	2.0	1.1 @+85 C
AN12-XX	N	DC-12.4	0-10, 12, 15, 20, 30, 40, 50, 60	0.3	-	0.5	-	0.75	1.5	1.5	1.25	2.0	0.5
AN18-XX	N	DC-18.0	0-10, 12, 15, 20, 30, 40, 50, 60	0.3	-	0.5	-	0.75	1.5	1.5	1.35	2.0	0.5
AT18-XX	TNC	DC-18.0	0-10, 12, 15, 20, 30, 40, 50, 60	0.3	-	0.5	-	0.75	1.5	1.5	1.35	2.0	0.5
ANC04-XX	BNC	DC-4.0	0-10, 12, 15, 20, 30	0.3	-	0.5	-	0.75	-	-	1.25	2.0	0.5
ASM18-XX	SMP	DC-18.0	0-13, 20, 30	0.4	0.6	0.6	0.8	0.8	-	-	1.35	2.0	0.5
ASM26-XX	SMP	DC-26.5	0-4, 6, 10, 20, 30	0.6	0.8	-	1.2	1.2	-	-	1.45	2.0	0.5

