

# Attenuators

## Type N, TNC, BNC, SMP

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



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

Model No.	Conn Type	Freq Range (GHz)	Standard Attenuation Values (dB)	Attenuation Accuracy (+/-dB)							VSWR max.	Average (watts)		Fig
				0-6 (dB)	7-12 (dB)	7-20 (dB)	13-20 (dB)	21-30 (dB)	31-40 (dB)	41-60 (dB)		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	1 & 2
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	1 & 2
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 @+85C	1
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	1 & 2
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	1 & 2
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	3 & 4
ANC04-xx	BNC	DC-4.0	0-10, 12, 15, 20, 30	0.3		0.5		0.75	-	-	1.25	2.0	0.5	5
ASM18-xx	SMP	DC-18.0	0-13, 20, 30	0.4	0.6	0.6	0.8	0.80	-	-	1.35	2.0	0.5	6 & 7
ASM26-xx	SMP	DC-26.5	0-4, 6, 10, 20, 30	0.6	0.8		1.2	1.20	-	-	1.45	2.0	0.5	6 & 7

### Options:

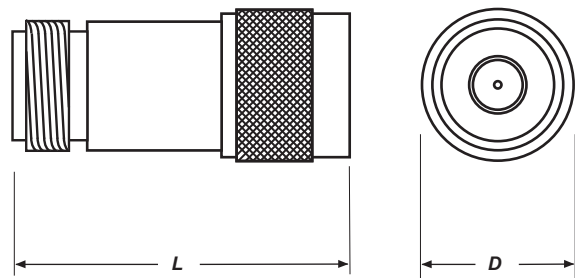
- For single sex versions use suffix "M" (Male) or "F" (Female) after model no.
- Dimensions are for Male/Female connectors. Please ask for size of single sex versions.

FIG	Conn Type	Atten. (dB)	Dimensions inches (mm)	
			Length L	Diameter D
1	N	0-30 & 40	1.76 (44.7)	0.62 (15.8)
2	N	31-60 (except 40dB)	2.04 (51.8)	0.62 (15.8)
3	TNC	0-30 & 40	2.07 (52.5)	0.56 (14.2)
4	TNC	31-60 (except 40dB)	2.35 (59.7)	0.56 (14.2)
5	BNC	0-30	1.36 (34.5)	0.50 (12.7)
6	SMP	0-12	0.61 (15.49)	0.25 (6.4)
7	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. AN18-06 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. ASM18-03L for 3dB limited detent SMP Male/Female.

FEMALE CONNECTOR      MALE CONNECTOR



Outline is a typical illustration only, 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.