

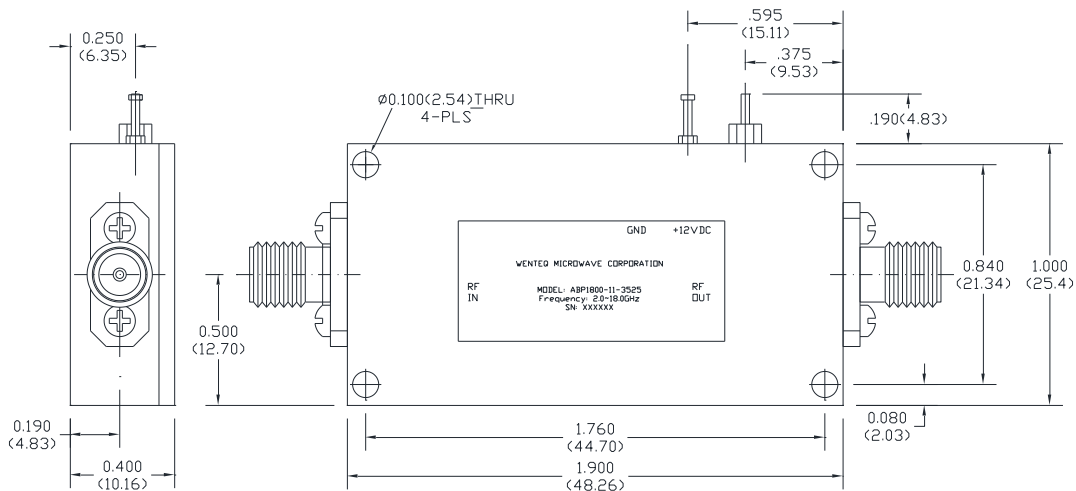
Features:

- Broad band, low noise
- Low VSWR, unconditional stable
- Small size, low cost
- SMA- female connector RF I/O
- Single DC power supply required
- Operating temperature -40~+85°C, storage temperature -55~+125°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	2.0		18.0
Nominal Gain @25°C base plate temperature	dB	32.0	35.0	38.0
Noise Figure	dB		4.0	5.3
P-1dB Compression Point	dBm	25.0	26.0	
Psat at Output	dBm	27.0	29.0	
Output IP3	dB m	32.0	37.0	
Gain flatness	dB		+/-1.25	+/-1.5
Gain Variation over Temperature Range	dB		+/-1.0	+/-1.25
Reverse Isolation	dB	35.0	45.0	
Input VSWR	-		1.6:1	2.0:1
Output VSWR	-		1.6:1	2.0:1
Spurious	dBc		60.0	
Operating Temperature	°C	0.0		+50.0
Survival Temperature	°C	-45.0		+85.0
DC Power Supply Voltage	V	+12.0		+15.0
DC Power Supply Current	mA	400.0	460.0	500.0
RF In/Out connectors		50 ohm SMAfemale		
DC Input Connector		Feedthru Pin		
Size	inches	1.90×1.00×0.40		

Mechanical Structure:



Note: All units in inches (mm).

Absolute Maximum Ratings

DC Voltage	+16V
RF Input Power	+20 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+85°C