

Features:

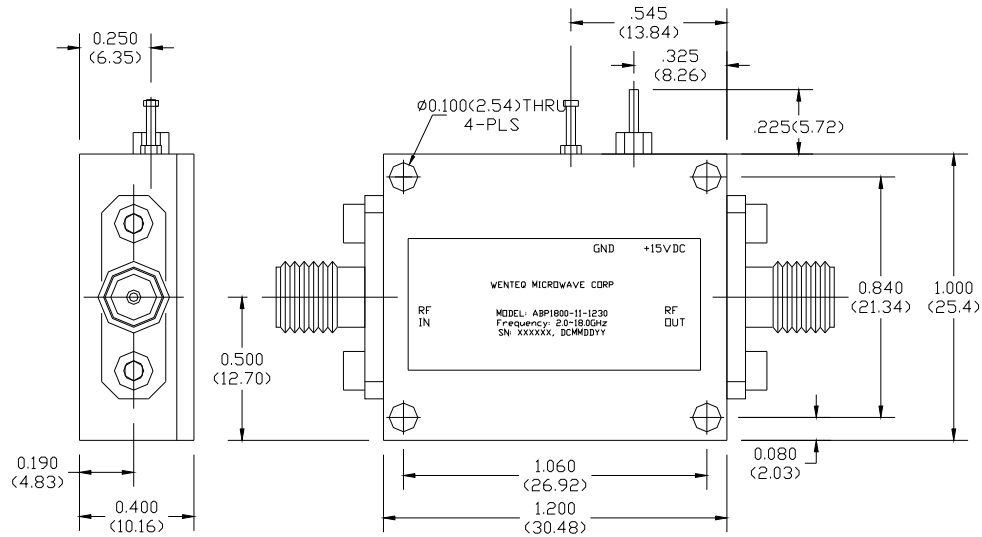
- Broad band, high power
- Single positive DC power supply, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Operating temperature -40~+65°C, storage temperature -55~+85°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	2.0		18.0
Nominal Gain @25°C base plate temperature	dB	10.0	12.0	14.0
Noise Figure 2~4GHz 4~18GHz	dB		6.0 4.5	8.0 6.0
P-1dB Compression Point	dBm	29.5	30.5	
Output IP3	dBm		+42.0	
Gain flatness	dB		+/-0.5	+/-1.0
Gain Variation over Temperature Range	dB		+/-1.0	
Reverse Isolation	dB		40.0	
Input VSWR	-		1.8:1	2.2:1
Output VSWR	-		1.8:1	2.2:1
Spurious	dBc			-60.0
Operating Temperature	°C	-40.0		+75.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V		+15.0	
DC Power Supply Current	mA	400.0	500.0	700.0
RF In/Out connectors		SMA Female Connectors		
DC Input Connector		Feedthru Pin		
Size, preliminary	inches	1.90×1.5×0.50		

Note: External heat sink required for normal operation!!!

Preliminary Mechanical Structure:



Note: All units in inches (mm).

Absolute Maximum Ratings

DC Voltage	+18V
RF Input Power	25 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C