

Features:

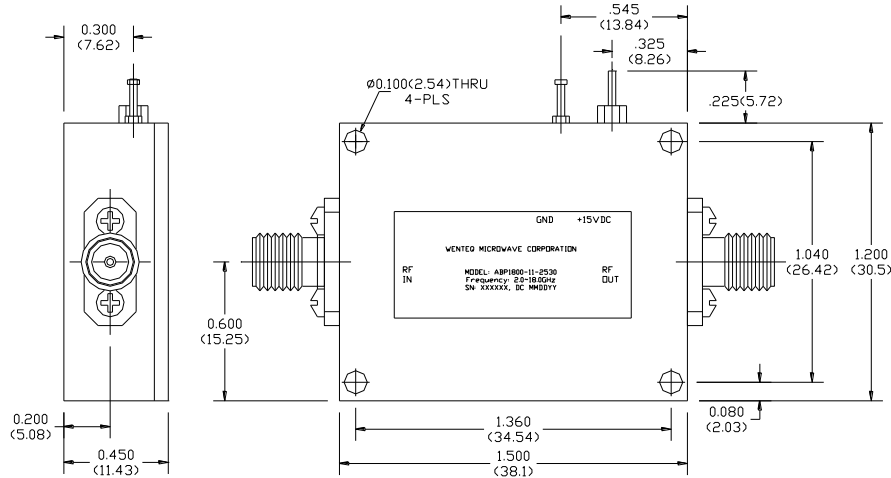
- Broad band, high power
- Single positive DC power supply, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Operating temperature -40~+65°C, storage temperature -55~+85°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	1.0		20.0
Nominal Gain @25°C base plate temperature	dB	22.0	24.0	27.0
Noise Figure	dB			
1.0~2.0 GHz			4.0	5.0
2.0~16.0GHz			2.5	4.0
16.0~18GHz			3.5	4.5
P-1dB Compression Point	dBm	+27.0	+28.0	
Output IP3	dBm		+36.0	
Gain flatness	dB		+/-1.25	+/-1.5
Gain Variation over Temperature Range	dB		+/-2.0	
Reverse Isolation	dB	30.0		
Input VSWR	-		1.8:1	2.5:1
Output VSWR	-		1.8:1	2.5:1
Spurious	dBc			-60.0
Operating Temperature	°C	-40.0		+75.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V		+12.0	
DC Power Supply Current	mA	550.0	700.0	850.0
RF In/Out connectors		SMA Female Connectors		
DC Input Connector		Feedthru Pin		
Size	inches	1.50×1.20×0.50		

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

Mechanical Structure:



Note: All units in inches (mm).

Absolute Maximum Ratings

DC Voltage	+18V
RF Input Power	20 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C