

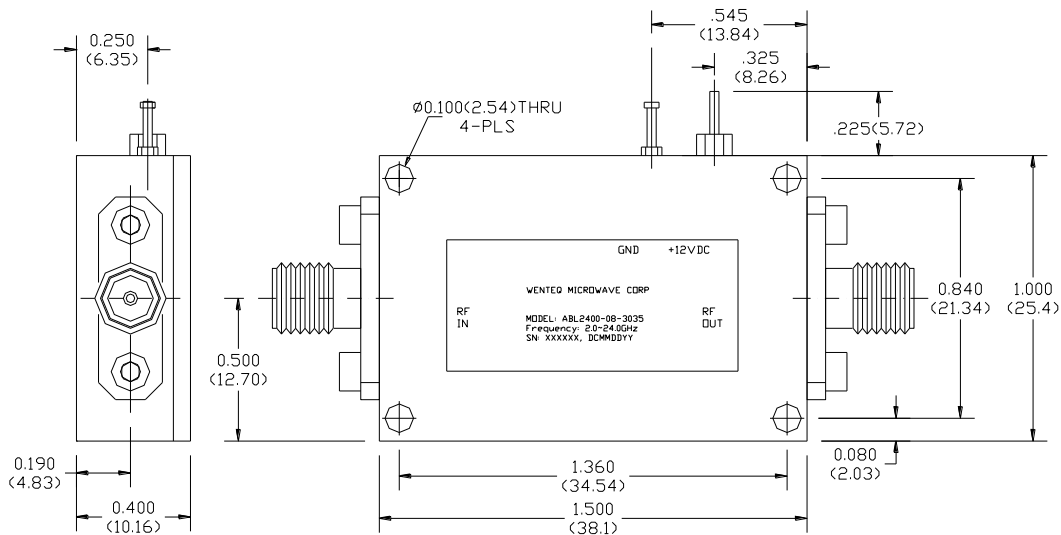
Features:

- Broad band, low noise
- Low VSWR, unconditional stable
- Small size, low cost
- K 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	0.1		24.0
Nominal Gain @25°C base plate temperature	dB	25.0	30.0	34.0
Noise Figure	dB			
0.1~4.0GHz			3.5	5.5
4.0~20.0GHz			2.5	4.0
20.0~24.0GHz		3.0	4.5	
P-1dB Compression Point	dBm			
0.1~19.0GHz		20.0	23.0	
19.0~24.0GHz	18.0	21.0		
Psat at Output	dBm	20.0	24.0	
Output IP3	dB m	23.0	30.0	
Gain flatness	dB		+/-1.5	+/-2.0
Gain Variation over Temperature Range	dB		+/-2.0	
Reverse Isolation	dB	50.0		
Input VSWR	-		1.7:1	2.5:1
Output VSWR	-		1.7:1	2.5:1
Spurious	dBc			-60.0
Operating Temperature	°C	-40.0		+85.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V	+12.0		+15.0
DC Power Supply Current	mA	300.0	250.0	350.0
RF In/Out connectors		50 ohm K female		
DC Input Connector		Feedthru Pin		
Size	inches	1.50×1.0×0.40		

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~+85°C