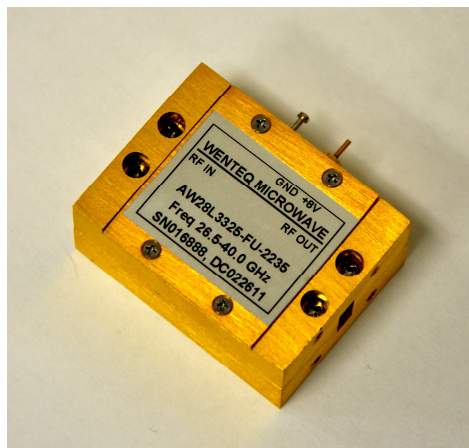


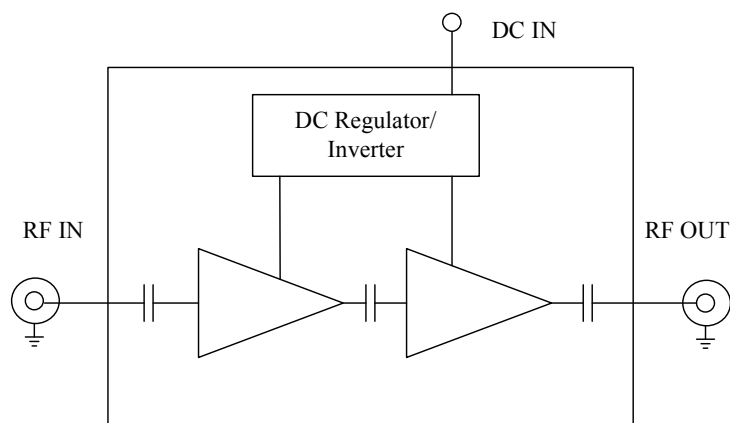
Features:

- Full WR28 waveguide bandwidth operation, low noise, high gain
- Low VSWR, unconditional stable
- Small size, low cost
- WR28 waveguide I/O, match to UG-599/U waveguide flange
- Single DC power supply required, built-in voltage regulator
- Operating temperature -40~+75°C, storage temperature -55~+85°C

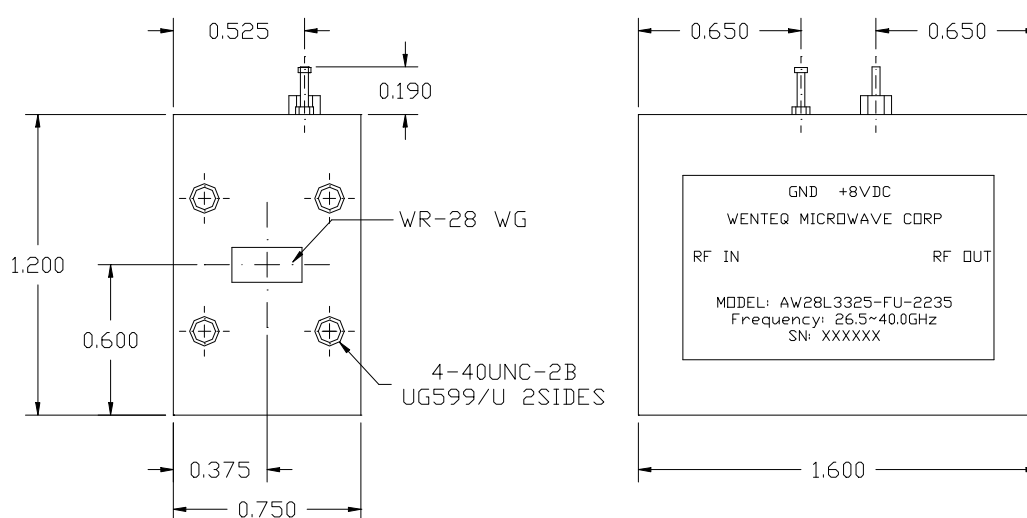
**Electrical Specifications**

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	26.5		40.0
Nominal Gain @25°C base plate temperature	dB	20.0	22.0	25.0
Noise Figure	dB		3.5	4.5
P-1dB Compression Point	dBm	12.0	13.5	
Output IP3	dB m	20.0	22.0	
Gain flatness	dB		+/-0.75	+/-1.25
Gain Variation over Temperature Range	dB		+/-1.5	
Reverse Isolation	dB		45.0	
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		+75.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V	+8.0	+12.0	+15.0
DC Power Supply Current	mA	110.0	125.0	150.0
RF In/Out connectors		WR28 WG/UG599/U Flange		
DC Input Connector		Feedthru Pin		
Size	inches	1.60×1.2×0.75		

Functional Diagram



Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+18V
RF Input Power	+10 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+85°C