



### Features

- Frequency Range: 10~400MHz
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

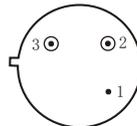
### Specifications (50 Ω, V<sub>CC</sub> = +12V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	10~400	10~500
Gain	G <sub>p</sub>	dB	≥15.0	15.5
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.5	±0.3
Noise Figure	F <sub>n</sub>	dB	≤4.5Δ	4.0
Input VSWR	VSWR <sub>i</sub>	—	≤2.5:1	—
Output VSWR	VSWR <sub>o</sub>	—	≤2.5:1	—
Output Power @ 1dB Compression	P <sub>-1</sub>	dBm	≥8.0 * Δ	—
DC Current	I <sub>CC</sub>	mA	—	27

“\*”f = 300MHz; “Δ” T<sub>A</sub> = 24 ± 1°C;

### Maximum Rating

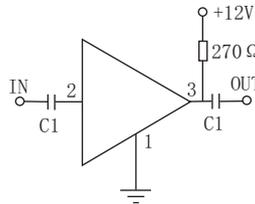
DC Voltage : +15VDC  
 RF Input: +10dBm  
 Storage Temp: +125°C



B-3

### Application Notes

1. Typical application shown as right, C<sub>i</sub> = 1000pF;
2. The DC voltage of pin 3 is about 5V;
3. Interchanged directly with MWA-120 from MOTOROLA Company;
4. See assembly section for mounting information
5. Connectorized package(SMA-1) available;



### Typical Curves

