

Features

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

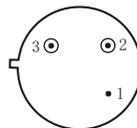
Specifications (50 Ω, V_{CC} = +12V, T_A = -55°C ~ +85°C)

| Parameter | Symbol | Unit | Guaranteed | Typical |
|--------------------------------|--------------------------------|------|------------|---------|
| Frequency Range | f _L ~f _H | MHz | 10~400 | 10~500 |
| Gain | G _p | dB | ≥16.0 | 17.0 |
| Gain Flatness | ΔG _p | dB | ≤±0.5 | ±0.3 |
| Noise Figure | F _n | dB | ≤3.0 Δ | 2.7 |
| Input VSWR | VSWR _i | -- | ≤2.5:1 | -- |
| Output VSWR | VSWR _o | -- | ≤2.5:1 | -- |
| Output Power @ 1dB Compression | P ₋₁ | dBm | ≥-2.0*Δ | 0 |
| DC Current | I _{CC} | mA | -- | 10 |

“*”f = 300MHz; “Δ” T_A = 24 ± 1°C;

Maximum Rating

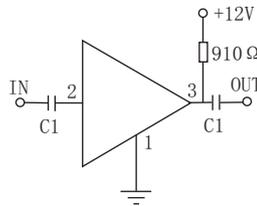
DC Voltage : +15V_{DC}
 RF Input: +10dBm
 Storage Temp: +125°C



B-3

Application Notes

1. Typical application shown as right, C₁ = 1000pF;
2. The DC voltage of pin 3 is about 3V;
3. Interchanged directly with MWA-110 from MOTOROLA Company;
4. See assembly section for mounting information
5. Connectorized package(SMA-1) available



Typical Curves

