

Features

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

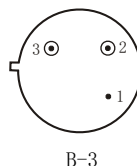
Specifications (50 Ω, V_{CC} = +12V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~400	10~500
Gain	G _p	dB	≥15.0	15.5
Gain Flatness	ΔG _p	dB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤4.5Δ	4.0
Input VSWR	VSWR _i	—	≤2.5:1	—
Output VSWR	VSWR _o	—	≤2.5:1	—
Output Power @ 1dB Compression	P ₋₁	dBm	≥8.0 * Δ	—
DC Current	I _{CC}	mA	—	27

“*” f = 300MHz; “Δ” T_A = 24 ± 1°C;

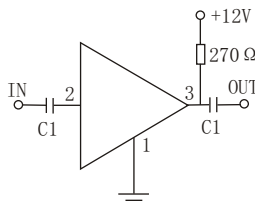
Maximum Rating

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



Application Notes

1. Typical application shown as right, C_i = 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

