

Features

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

Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~400	---
Gain	G _p	dB	≥14.0	14.5
Gain Flatness	△G _p	dB	≤±1.0	±0.7
Noise Figure	F _n	dB	≤7.5	7.0
Input VSWR	VSWR _i	---	≤3.0:1	2.5
Output VSWR	VSWR _o	---	≤3.0:1	2.5
Output Power @ 1dB Compression	P ₋₁	dBm	≥16.0*△	16.5
DC Current	I _{CC}	mA	---	60

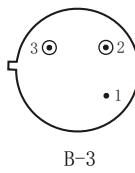
“*”f = 300MHz; “△” T_A = 24 ± 1°C;

Maximum Rating

DC Voltage : +18VDC

RF Input:+10dBm

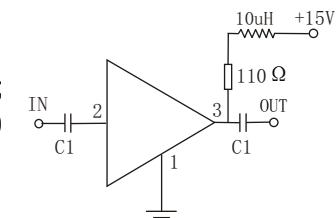
Storage Temp: +125°C



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Application Notes

1. Typical application shown as right, C₁=1000pF;
2. The DC voltage of pin 3 is about 9V;
3. Interchanged directly with MWA-130 from MOTOROLA Company;
4. See assembly section for mounting information;
5. Connectorized package(SMA-1) available;



Typical Curves

