

### Features

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

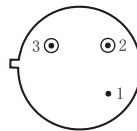
### Specifications (50 Ω, V<sub>CC</sub> = +15V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	10~400	--
Gain	G <sub>p</sub>	dB	≥14.0	14.5
Gain Flatness	ΔG <sub>p</sub>	dB	≤±1.0	±0.7
Noise Figure	F <sub>n</sub>	dB	≤7.5	7.0
Input VSWR	VSWR <sub>i</sub>	--	≤3.0:1	2.5
Output VSWR	VSWR <sub>o</sub>	--	≤3.0:1	2.5
Output Power @ 1dB Compression	P <sub>-1</sub>	dBm	≥16.0*Δ	16.5
DC Current	I <sub>CC</sub>	mA	--	60

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

### Maximum Rating

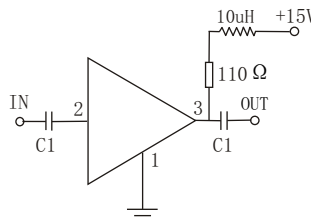
- DC Voltage : +18VDC
- RF Input: +10dBm
- Storage Temp: +125°C



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### Application Notes

1. Typical application shown as right, C<sub>1</sub> = 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

