

### Features

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

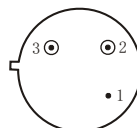
### Specifications (50 $\Omega$ , $V_{CC} = +15V$ , $T_A = -55^\circ C \sim +85^\circ C$ )

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~400	---
Gain	$G_p$	dB	$\geq 14.0$	14.5
Gain Flatness	$\Delta G_p$	dB	$\leq \pm 1.0$	$\pm 0.7$
Noise Figure	$F_n$	dB	$\leq 7.5$	7.0
Input VSWR	VSWR <sub>i</sub>	---	$\leq 3.0:1$	2.5
Output VSWR	VSWR <sub>o</sub>	---	$\leq 3.0:1$	2.5
Output Power @ 1dB Compression	$P_{-1}$	dBm	$\geq 16.0 * \Delta$	16.5
DC Current	$I_{CC}$	mA	---	60

\*  $f = 300\text{MHz}$ ; “ $\Delta$ ”  $T_A = 24 \pm 1^\circ C$ ;

### Maximum Rating

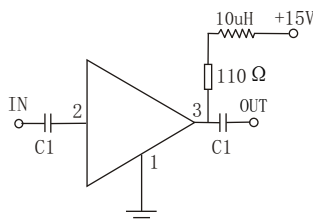
DC Voltage : +18VDC  
RF Input: +10dBm  
Storage Temp: +125°C



B-3

### Application Notes

1. Typical application shown as right,  $C_1 = 1000\text{pF}$ ;
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

