

Features

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

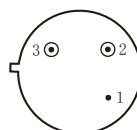
Specifications (50 Ω , $V_{CC} = +15V$, $T_A = -55^\circ C \sim +85^\circ C$)

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

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

Maximum Rating

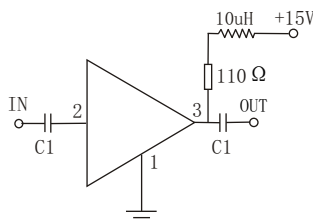
DC Voltage : +18VDC
RF Input: +10dBm
Storage Temp: +125°C



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

