

Features

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

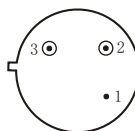
Specifications (50 Ω , $V_{CC} = +12V$, $T_A = -55^\circ C \sim +85^\circ C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~400	10~500
Gain	G_p	dB	≥ 16.0	17.0
Gain Flatness	ΔG_p	dB	$\leq \pm 0.5$	± 0.3
Noise Figure	F_n	dB	$\leq 3.0 \Delta$	2.7
Input VSWR	VSWR _i	---	$\leq 2.5:1$	---
Output VSWR	VSWR _o	---	$\leq 2.5:1$	---
Output Power @ 1dB Compression	P_{-1}	dBm	$\geq -2.0 * \Delta$	0
DC Current	I_{CC}	mA	---	10

"*" $f = 300MHz$; " Δ " $T_A = 24 \pm 1^\circ C$;

Maximum Rating

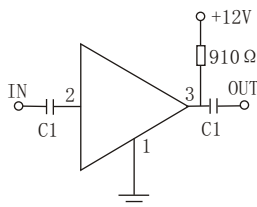
DC Voltage : +15V_{DC}
RF Input: +10dBm
Storage Temp: +125°C



B-3

Application Notes

1. Typical application shown as right, $C_1 = 1000pF$;
2. The DC voltage of pin 3 is about 3V;
3. Interchanged directly with MWA-110 from MOTOROLA Company;
4. See assembly section for mounting information
5. Connectorized package(SMA-1) available



Typical Curves

