

Features

- Frequency Range: 10~1500MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

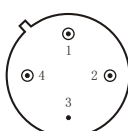
Specifications (50 Ω , $V_{CC} = +5V$, $T_A = -55^\circ C \sim +85^\circ C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~1500	10~1500
Gain	G_p	dB	≥ 11.0	11.5
Gain Flatness	ΔG_p	dB	$\leq \pm 0.5$	± 0.3
Noise Figure	F_n	dB	$\leq 4.0 \Delta$	—
Input VSWR	VSWR _i	—	$\leq 2.0:1$	1.7:1
Output VSWR	VSWR _o	—	$\leq 2.0:1$	1.6:1
Output Power @ 1dB Compression	P_{-1}	dBm	$\geq 9.0 * \Delta$	10.0
DC Current	I_{CC}	mA	—	30

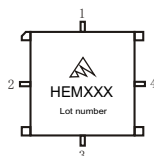
"*" $f = 1000\text{MHz}$; " Δ " $T_A = 24 \pm 1^\circ C$;

Maximum Rating

DC Voltage : +6VDC
RF Input: +10dBm
Storage Temp: +125°C



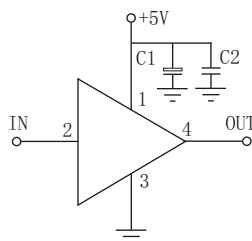
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, $C_1 = 3.3 \sim 22 \mu F$; $C_2 = 3300 \sim 6800 pF$;
2. Interchanged directly with A16-2 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves

