

## Features

- Frequency Range: 1.0~4.0GHz
- 15dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

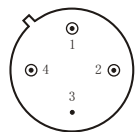
## Specifications (50 Ω, V<sub>CC</sub> = +5V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	GHz	1.0~4.0	1.0~4.0
Gain	G <sub>p</sub>	dB	≥14.0	15.5
Gain Flatness	ΔG <sub>p</sub>	dB	≤±1.0	±0.7
Noise Figure	F <sub>n</sub>	dB	≤5.0 Δ	3.0
Input VSWR	VSWR <sub>i</sub>	---	≤2.0:1	1.8:1
Output VSWR	VSWR <sub>o</sub>	---	≤2.0:1	1.8:1
Output Power @ 1dB Compression	P <sub>0</sub>	dBm	≥14.0 *Δ	15.0
DC Current	I <sub>CC</sub>	mA	---	70

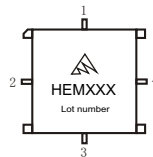
\* \* \* f = 2000MHz; “Δ” T<sub>A</sub> = 24 ± 1°C;

## Maximum Rating

- DC Voltage : +6VDC
- RF Input: +13dBm
- Storage Temp: +125°C



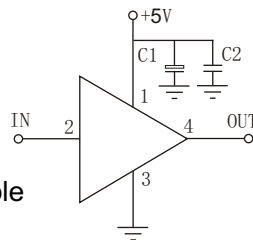
TO-8C



SMO-8C

## Application Notes

1. Typical application shown as right, C<sub>1</sub> = 10~33 μF; C<sub>2</sub> = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. Pay attention to heat dispersion.
5. ESD observe handing precautions



## Typical Curves

