

## Features

- Frequency Range: 20~400MHz
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

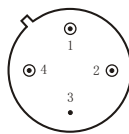
## Specifications (50 Ω, V<sub>CC</sub> = +15V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	20~400	—
Gain	G <sub>p</sub>	dB	≥25.0	26.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.5	—
Noise Figure	F <sub>n</sub>	dB	≤4.0 Δ	3.5
Input VSWR	VSWR <sub>i</sub>	—	≤2.0:1 Δ	—
Output VSWR	VSWR <sub>o</sub>	—	≤2.0:1 Δ	—
Output Power @ 1dB Compression	P <sub>-1</sub>	dBm	≥22.0 * Δ	22.5
DC Current	I <sub>cc</sub>	mA	—	65

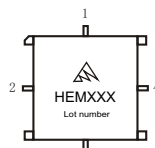
- 1) \*f = 200MHz; “Δ” T<sub>A</sub> = 24 ± 1°C;
- 2) The G<sub>p</sub> and P<sub>-1</sub> will be reduced 0.4dB and 2.8dB respectively under operating at 12VDC (I<sub>cc</sub> = 52mA T<sub>yp</sub>)

## Maximum Rating

DC Voltage : +17VDC  
RF Input: +7dBm  
Storage Temp: +125°C



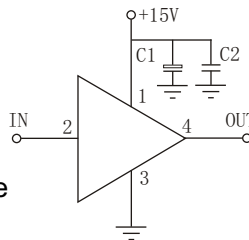
TO-8C



SMO-8C

## Application Notes

1. Typical application shown as right, C<sub>1</sub> = 3.3~22 μF ; C<sub>2</sub> = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available



## Typical Curves

