

### Features

- Frequency Range: 10~200MHz
- Low Noise :1.2dB(Typical)
- 10dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range:-55°C~+85°C

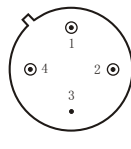
### Specifications (50 Ω, V<sub>CC</sub> = +5V, T<sub>A</sub>=-55°C~+85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	20~200	10~200
Gain	G <sub>p</sub>	dB	≥10.0	--
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.5Δ	±0.3
Noise Figure	F <sub>n</sub>	dB	≤1.5Δ	1.2
Input VSWR	VSWR <sub>i</sub>	--	≤2.0:1Δ	1.8:1
Output VSWR	VSWR <sub>o</sub>	--	≤2.0:1Δ	1.8:1
Output Power @ 1dB Compression	P-1	dBm	≥10.0 * Δ	--
DC Current	I <sub>CC</sub>	mA	--	10

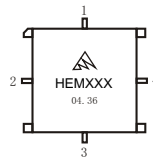
\*f = 60MHz; "Δ" T<sub>A</sub>=24±1°C;

### Maximum Rating

- DC Voltage : +8VDC
- RF Input:+13dBm
- Storage Temp: +125°C



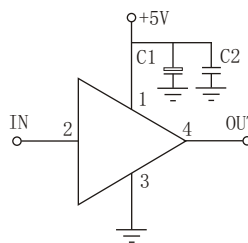
T0-8C



SMO-8C

### Application Notes

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



### Typical Curves

