



### Features

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

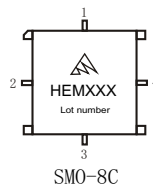
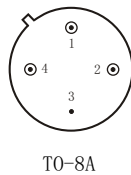
### Specifications (50 Ω, V<sub>CC</sub> = +15V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	10~1500	10~1500
Gain	G <sub>p</sub>	dB	≥19.0	20.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.75Δ	±0.5
Noise Figure	F <sub>n</sub>	dB	≤4.5Δ	--
Input VSWR	VSWR <sub>i</sub>	--	≤2.0:1Δ	1.8:1
Output VSWR	VSWR <sub>o</sub>	--	≤2.0:1Δ	1.9:1
Output Power @ 1dB Compression	P <sub>-1</sub>	dBm	≥8.0 * Δ	8.5
DC Current	I <sub>CC</sub>	mA	--	45

- 1) "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 1.6dB respectively under operating at 12VDC(I<sub>CC</sub>=35mA Typ).

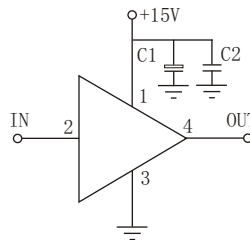
### Maximum Rating

DC Voltage : +18VDC  
 RF Input: +10dBm  
 Storage Temp: +125°C



### Application Notes

1. Typical application shown as right, C<sub>1</sub>=3.3~22 μF ; C<sub>2</sub>=3300~6800pF;
2. Interchanged directly with UTO-1054 from HP Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



### Typical Curves

