

### Features

- Frequency Range: 10~300MHz
- Gain: 10.0dB(Typical)
- Output Limiting Level: 0dBm(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

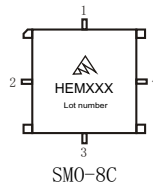
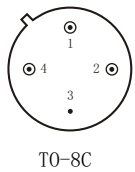
### Specifications (50 Ω, V<sub>CC</sub> = +15V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	10~300	10~300
Gain	G <sub>p</sub>	dB	≥8.5	10.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.5	±0.3
Noise Figure	F <sub>n</sub>	dB	≤7.5Δ	6.0
Output Limiting level	P <sub>0</sub>	dBm	≥-2.0	0
VSWR	VSWR	--	≤2.0:1	1.3:1
Even Order Harmonic Suppression	--	dBc	≥20.0 Δ	25.0
DC Current	I <sub>CC</sub>	mA	--	20.0

“Δ” T<sub>A</sub>=24±1°C;

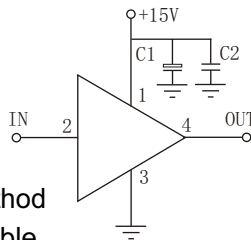
### Maximum Rating

DC Voltage : +16.0VDC  
RF Input: +13dBm  
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 UTL-503 from HP Company;
3. See assembly section for mounting method
4. Connectorized package(SMA-1) available



### Typical Curves

