

### Features

- Frequency Range: 10~400MHz
- Gain: 11.0dB(Typical)
- Output Limiting Level: -3.5dBm(Typical)
- Standard Hermetic Package TO-8C, SMO-8C
- Operating Temperature Range: -55°C ~ +85°C

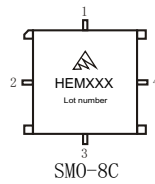
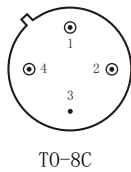
### Specifications (50 Ω, V<sub>CC</sub> = +5V, -55°C ≤ T<sub>A</sub> ≤ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	10~400	10~400
Gain	G <sub>p</sub>	dB	9.0	11.0
Gain Flatness	ΔG <sub>p</sub>	dB	± 0.5	± 0.3
Noise Figure	F <sub>n</sub>	dB	7.0Δ	6.0
Output Limiting level	P <sub>0</sub>	dBm	-5.0	-4.0
VSWR	VSWR	---	2.0:1	1.3:1
Even Order Harmonic Suppression	---	dBc	20.0Δ	25.0
DC Current	I <sub>CC</sub>	mA	15.0	12.0

“Δ” T<sub>A</sub>=24±1°C;

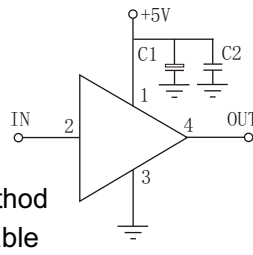
### Maximum Rating

DC Voltage : +16.0VDC  
 RF Input: +10dBm  
 Storage Temp: +125°C



### Application Notes

1. Typical application shown as right, C<sub>1</sub>=22~47 μF ; C<sub>2</sub>=1000~3300pF;
2. Interchanged directly with UTL-503 from HP Company;
3. See assembly section for mounting method
4. Connectorized package(SMA-1) available



### Typical Curves

