



## Features

- Frequency Range: 200~500MHz
- Gain: 20.0dB(Typical)
- Output Limiting Level: 0dBm(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

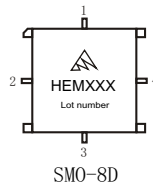
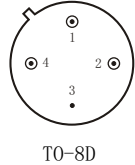
## Specifications (50 Ω, V<sub>CC</sub> = +15V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	200~500	200~500
Gain	G <sub>p</sub>	dB	≥ 18.0	20.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤ ± 0.5	± 0.3
Noise Figure	F <sub>n</sub>	dB	≤ 7.0 Δ	6.0
Output Limiting level	P <sub>0</sub>	dBm	≥ -2.0	0
VSWR	VSWR	---	≤ 2.0:1	1.4:1
Even Order Harmonic Suppression	---	dBc	≥ 15.0 Δ	20.0
DC Current	I <sub>CC</sub>	mA	50.0	45.0

“Δ” T<sub>A</sub> = 24 ± 1°C;

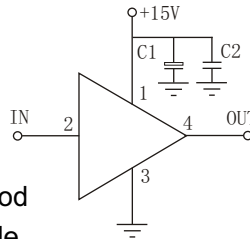
## Maximum Rating

DC Voltage : +16.0VDC  
RF Input: +15dBm  
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

