

Features

- Frequency Range: 10~300MHz
- Gain: 21.0dB(Typical)
- Output Limiting Level: 0dBm(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

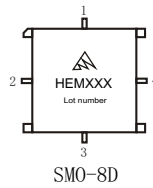
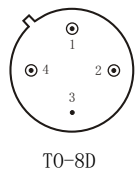
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~300	10~300
Gain	G _p	dB	≥ 18.0	21.0
Gain Flatness	ΔG _p	dB	≤ ± 0.5	± 0.3
Noise Figure	F _n	dB	≤ 8.0 Δ	6.5
Output Limiting level	P ₀	dBm	≥ -2.0	0
VSWR	VSWR	--	≤ 2.0:1	1.4:1
Even Order Harmonic Suppression	--	dBc	≥ 25.0 Δ	30.0
DC Current	I _{CC}	mA	--	45.0

“Δ” T_A = 24 ± 1°C ;

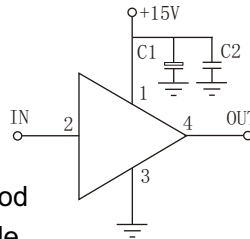
Maximum Rating

- DC Voltage : +16.0VDC
 RF Input: +15dBm
 Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 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

