

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_{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	≥8.5	10.0
Gain Flatness	ΔG _p	dB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤7.5Δ	6.0
Output Limiting level	P ₀	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 _{CC}	mA	---	20.0

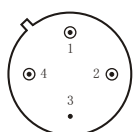
“Δ” T_A = 24 ± 1°C ;

Maximum Rating

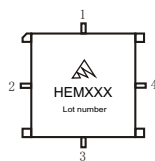
DC Voltage : +16.0VDC

RF Input: +13dBm

Storage Temp: +125°C



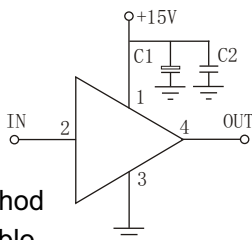
T0-8C



SMO-8C

Application Notes

1. Typical application shown as right,
C₁ = 3.3 ~ 22 μF ; C₂ = 3300 ~ 6800 pF ;
2. Interchanged directly with UTL-503 from HP Company;
3. See assembly section for mounting method
4. Connectorized package(SMA-1) available



Typical Curves

