



Features

- Frequency Range: 10~1000MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

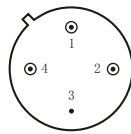
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~1000	10~1000
Gain	G _p	dB	≥23.0	24.0
Gain Flatness	ΔG _p	dB	≤±0.75Δ	±0.5
Noise Figure	F _n	dB	≤4.0Δ	3.5
Input VSWR	VSWR _i	—	≤2.0:1Δ	1.7:1
Output VSWR	VSWR _o	—	≤2.0:1Δ	1.7:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥10.0Δ	—
DC Current	I _{CC}	mA	—	45

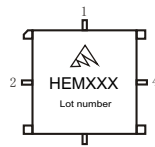
- 1) “Δ” T_A=24±1°C;
- 2) The G_p and P₋₁ will be reduced 0.5dB and 1.6dB respectively under operating at 12VDC(I_{CC}=35mA Typ).

Maximum Rating

DC Voltage : +18VDC
 RF Input: +10dBm
 Storage Temp: +125°C



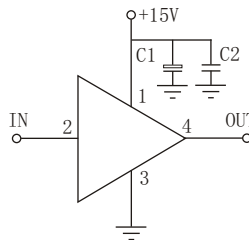
TO-8A



SMO-8C

Application Notes

1. Typical application shown as right, C₁=3.3~22 μF ; C₂=3300~6800pF;
2. Interchanged directly with UTO-1054 from HP Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves

