

Features

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

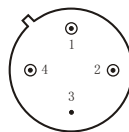
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~1000	10~1000
Gain	G _p	dB	≥14.0	15.0
Gain Flatness	ΔG _p	dB	≤2.0	1.0
Noise Figure	F _n	dB	≤3.0 Δ	2.8
Input VSWR	VSWR _i	—	≤2.0:1 Δ	1.7:1
Output VSWR	VSWR _o	—	≤2.0:1 Δ	1.9:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥8.0 * Δ	—
DC Current	I _{cc}	mA	—	25

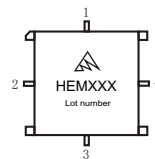
- 1) *f = 700MHz; “Δ” T_A = 24 ± 1°C;
- 2) The G_p and P₋₁ will be reduced 0.3dB and 1.5dB respectively under operating at 12VDC (I_{cc} = 20mA Typ)

Maximum Rating

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



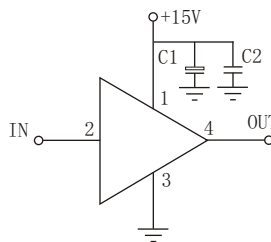
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF;
2. Interchanged directly with UTO-1012 from HP Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1) available



Typical Curves

