

Features

- Frequency Range: 10~3000MHz
- Low Noise: 2.0dB(Typical)
- Dynamic: 16.0dBm(Typical)
- Standard Hermetic Package TO-8C, SMO-8C
- Operating Temperature Range: -55°C ~ +85°C

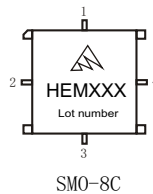
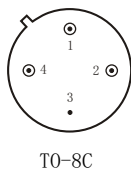
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~3000	5~3200
Gain	G _p	dB	≥13	14.5
Gain Flatness	ΔG _p	dB	≤1.0	0.6
Noise Figure	F _n	dB	≤4.0 Δ	2.0
Input VSWR	VSWR _i	---	≤2.0:1 Δ	1.3:1
Output VSWR	VSWR _o	---	≤2.0:1 Δ	1.5:1
Output Power @ 1dB Compression	P _{-1*}	dBm	≥15.0* Δ	16.0
DC Current	I _{CC}	mA	≤70	55

*f = 1500MHz; "Δ" T_A = 24 ± 1°C;

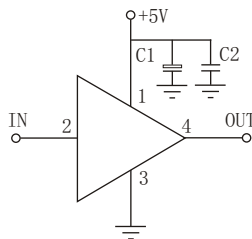
Maximum Rating

- DC Voltage : +7V_{DC}
- RF Input: +13dBm
- Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 10~33 μF ; C₂ = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. ESD observe handling precautions



Typical Curves

