

Features

- Frequency Range: 2.7~3.0GHz
- Balance Amplifier
- Low Noise: 0.8dB
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

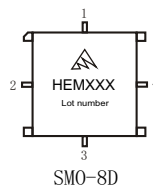
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	2.7~3.0	2.7~3.0
Gain	G _p	dB	12.0	13.0
Gain Flatness	ΔG _p	dB	±0.4	±0.3
Noise Figure	F _n	dB	0.8Δ	0.7
Input VSWR	VSWR _i	---	1.4:1	---
Output VSWR	VSWR _o	---	1.4:1	---
Output Power @ 1dB Compression	P ₋₁	dBm	8.0* Δ	9.0
DC Current	I _{CC}	mA	---	45

*f = 3000MHz; "Δ" T_A = 24 ± 1°C;

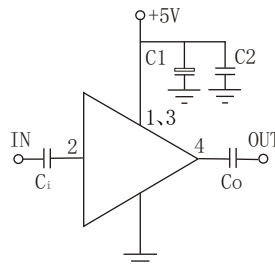
Maximum Rating

- DC Voltage : +6.5V
- RF Input: +13dBm
- Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 10~33 μF ; C₂ = 1000~3300pF;
2. See assembly section for mounting information
4. ESD observe handling precautions



Typical Curves

