

Features

- Frequency Range: 2.7~3.0GHz
- Low Noise: 1.1dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

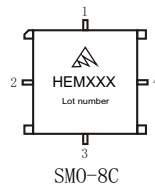
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	2.7~3.0	—
Gain	G _p	dB	≥23.0	24.0
Gain Flatness	ΔG _p	dB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤1.3 Δ	1.1
Input VSWR	VSWR _i	—	≤1.5:1 Δ	—
Output VSWR	VSWR _o	—	≤1.5:1 Δ	—
Output Power @ 1dB Compression	P ₋₁	dBm	≥8.0 * Δ	9.0
DC Current	I _{CC}	mA	—	60

*f = 3000MHz; “Δ” T_A = 24 ± 1°C;

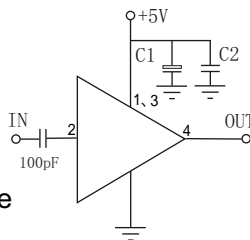
Maximum Rating

- DC Voltage : +6.5VDC
- 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
3. Connectorized package(SMA-3) available
4. ESD observe handling precautions



Typical Curves

