

Features

- Frequency Range: 1.0~4.0GHz
- 20dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

Specifications (50 Ω, V_{CC} = +12V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	1.0~4.0	1.0~4.0
Gain	G _p	dB	≥24.0	25.0
Gain Flatness	ΔG _p	dB	≤±1.0	±0.6
Noise Figure	F _n	dB	≤3.0Δ	2.5
Input VSWR	VSWR _i	—	≤2.0:1	1.7:1
Output VSWR	VSWR _o	—	≤2.0:1	1.7:1
Saturation Output Power	P ₀	dBm	≥20.0*Δ	21.0
DC Current	I _{CC}	mA	—	100

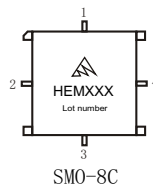
“*”f = 4000MHz; “Δ” T_A = 24 ± 1°C;

Maximum Rating

DC Voltage : +13.5VDC

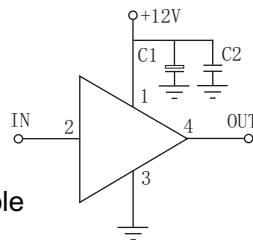
RF Input: +13dBm

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. Pay attention to heat dispersion.
5. ESD observe handing precautions



Typical Curves

