

Features

- Frequency Range: 1~100MHz
- 18dBm Typical 1dB Compression
- IP₃(out): 30dBm(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

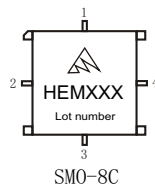
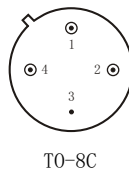
Specifications (50 Ω, V_{CC} = +12V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	1~100	—
Gain	G _p	dB	≥17.0	18.0
Gain Flatness	ΔG _p	dB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤4.5 Δ	4.0
Input VSWR	VSWR _i	—	≤2.0:1	1.7:1
Output VSWR	VSWR _o	—	≤2.0:1	1.7:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥17.0* Δ	18.0
DC Current	I _{CC}	mA	—	58

*f = 50MHz; “Δ” T_A = 24 ± 1°C;

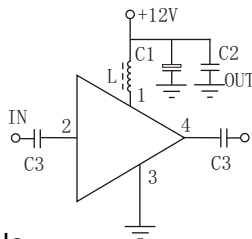
Maximum Rating

DC Voltage : +14V_{DC}
 RF Input: +10dBm
 Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 22~47 μF ; C₂ = 1000~3300pF ; C₃ = 0.1 μF ; L = 130 μH (RF choke);
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available



Typical Curves

