

Features

- Frequency Range: 1.0~3.5GHz
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

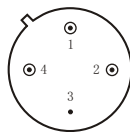
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	1.0~3.5	0.8~3.5
Gain	G _p	dB	≥11.0	14.0
Gain Flatness	ΔG _p	dB	≤±0.75 Δ	±0.5
Noise Figure	F _n	dB	≤4.5 Δ	3.2
Input VSWR	VSWR _i	---	≤2.0:1	1.7:1
Output VSWR	VSWR _o	---	≤2.5:1	1.9:1
Saturation Output Power	P ₀	dBm	≥18.0 Δ	19.0
DC Current	I _{CC}	mA	---	75

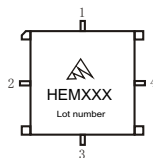
“Δ” T_A = 24 ± 1°C ;

Maximum Rating

DC Voltage : +6VDC
RF Input: +13dBm
Storage Temp: +125°C



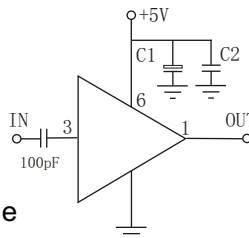
T0-8C



SMO-8C

Application Notes

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



Typical Curves

