

Features

- Frequency Range: 3.1~3.4GHz
- Low Noise: 1.1dB(Typ)
- Standard Hermetic Package
- Operating Temperature Range: -55°C~+85°C

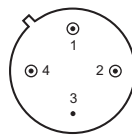
Electrical (50 Ω, V_{CC}=+12V, T_A=-55°C~+85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	3.1~3.4	3.1~3.4
Gain	G _p	dB	≥ 22.0	23.0
Gain Flatness	Δ G _p	dB	≤ ±0.5 Δ	±0.3
Noise Figure	F _n	dB	≤ 1.5 Δ	1.1
Input VSWR	VSWR _i	--	≤ 2.0:1	1.5:1
Output VSWR	VSWR _o	--	≤ 2.0:1	1.5:1
For 1dB Compression	P ₋₁	dBm	≥ 8.0 * Δ	9.0
Supply Current	I _{CC}	mA	--	50

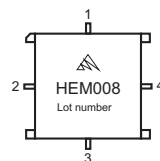
Note: “*” f=3400 MHz. “Δ” T_A=24±1°C.

Maximum Ratings

- Power supply: +13.5V_{DC}
- RF input: +10dBm
- Storage Temp: +125°C



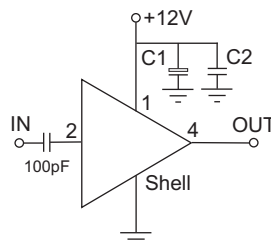
TO-8D



SMO-8D

Application Notes

1. Typical application shown as right, C₁=3.3~22 μF, C₂=3300~6800pF.
2. ESD observe handling precautions.
3. Connectorized package (SMA-1) available.
4. See assembly section for outline and mounting information.



Typical Curves

