

### Features

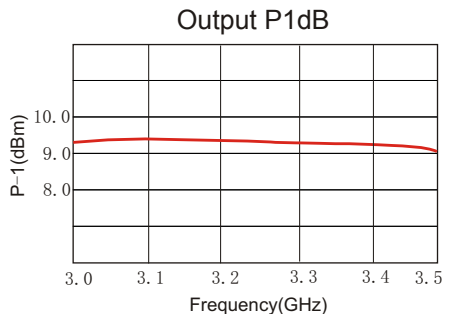
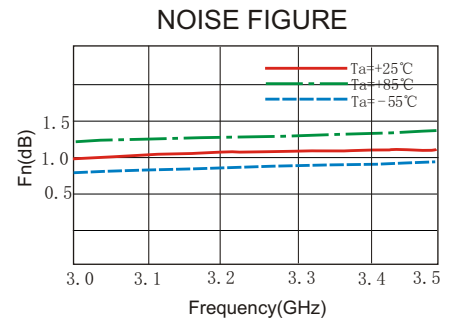
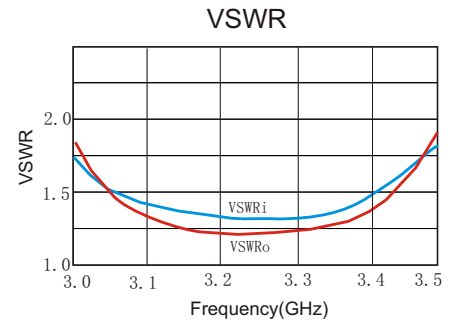
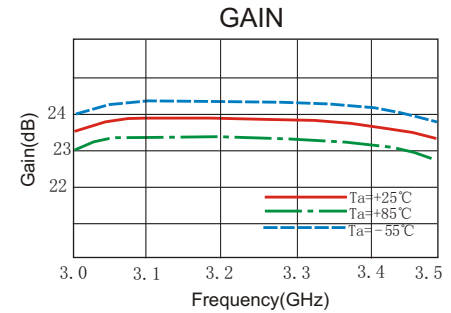
- Frequency Range: 3.1~3.4GHz
- Low Noise: 1.1dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

### Specifications (50 Ω, V<sub>CC</sub> = +12V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	GHz	3.1~3.4	3.1~3.4
Gain	G <sub>p</sub>	dB	≥22.0	23.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤±0.5 Δ	±0.3
Noise Figure	F <sub>n</sub>	dB	≤1.5 Δ	1.1
Input VSWR	VSWR <sub>i</sub>	—	≤2.0:1	1.5:1
Output VSWR	VSWR <sub>o</sub>	—	≤2.0:1	1.5:1
Output Power @ 1dB Compression	P-1	dBm	≥8.0 * Δ	9.0
DC Current	I <sub>CC</sub>	mA	—	50

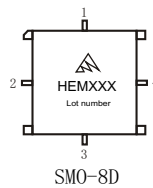
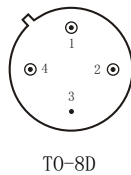
“\*”f = 3400MHz; “Δ” T<sub>A</sub> = 24 ± 1°C;

### Typical Curves



### Maximum Rating

- DC Voltage : +13.5VDC
- RF Input: +10dBm
- Storage Temp: +125°C



### Application Notes

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

