

Features

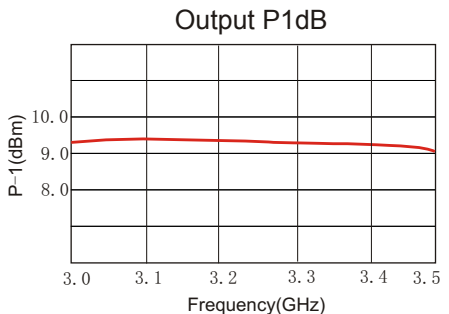
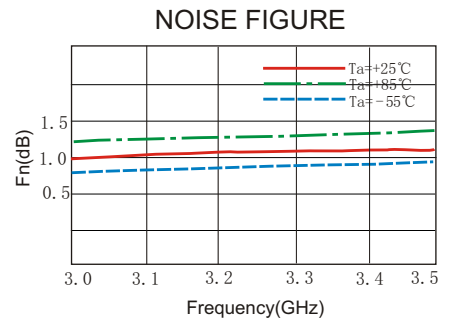
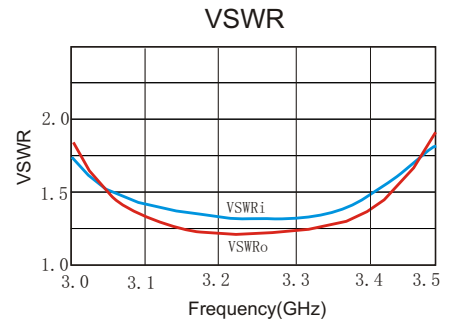
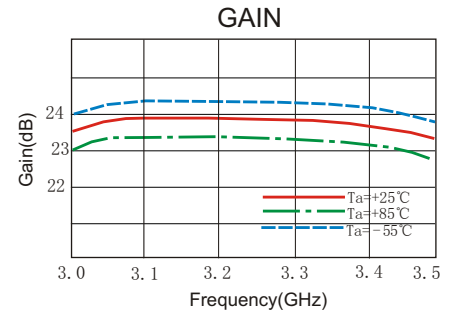
- Frequency Range: 3.1~3.4GHz
- Low Noise: 1.1dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

Specifications (50 Ω, V_{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	ΔG _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
Output Power @ 1dB Compression	P-1	dBm	≥8.0 * Δ	9.0
DC Current	I _{CC}	mA	—	50

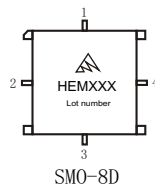
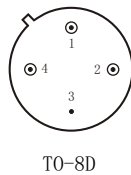
“*”f = 3400MHz; “Δ” T_A = 24 ± 1°C;

Typical Curves



Maximum Rating

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



Application Notes

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

