

Features

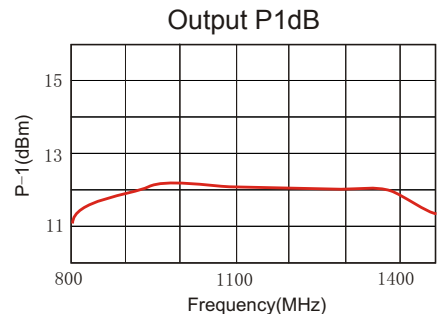
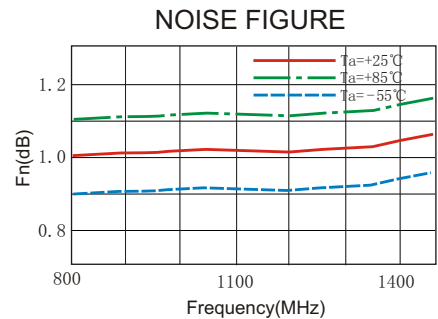
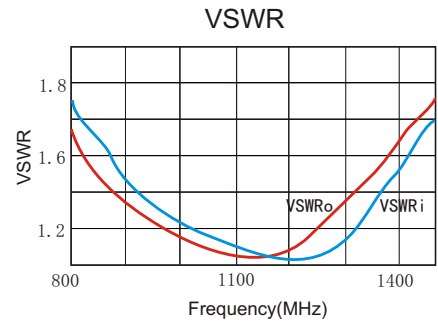
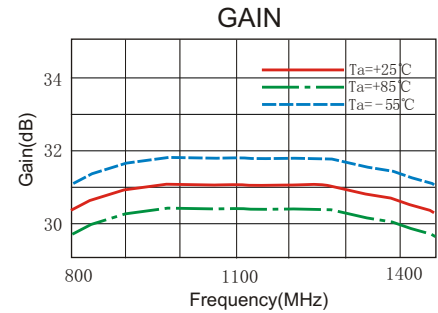
- Frequency Range: 900~1300MHz
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

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

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	900~1300	900~1300
Gain	G _p	dB	≥28.0	30.0
Gain Flatness	ΔG _p	dB	--	1.0
Noise Figure	F _n	dB	≤1.3 Δ	1.0
Input VSWR	VSWR _i	--	≤2.5:1 Δ	1.5:1
Output VSWR	VSWR _o	--	≤2.5:1 Δ	1.5:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥11.0 * Δ	11.5
DC Current	I _{CC}	mA	--	65

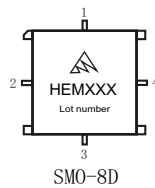
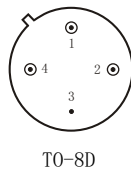
*f = 1100MHz; "Δ" T_A = 24 ± 1°C;

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 handling precautions

