



Features

- Frequency Range: 20~1000MHz
- Low Noise: 1.2dB(Typical)
- Dynamic: 18dBm(Typical)
- Standard Hermetic Package TO-8D, SMO-8D
- Operating Temperature Range: -55°C ~ +85°C

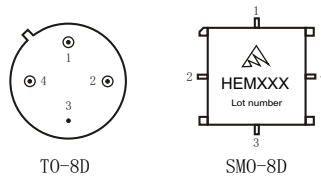
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~1000	20~1000
Gain	G _p	dB	≥35	37
Gain Flatness	ΔG _p	dB	≤1.5	1.0
Noise Figure	F _n	dB	≤2.0 Δ	1.2
Input VSWR	VSWR _i	---	≤2.0:1 Δ	1.7:1
Output VSWR	VSWR _o	---	≤2.0:1 Δ	1.5:1
Output Power @ 1dB Compression	P _{-1*}	dBm	≥17.0* Δ	18.0
DC Current	I _{CC}	mA	≤100	80

*f = 500MHz; "Δ" T_A = 24 ± 1°C;

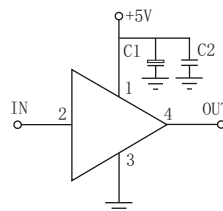
Maximum Rating

- DC Voltage : +7V_{DC}
- 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



Typical Curves

