



Features

- Frequency Range: 2.7~3.0GHz
- Low Noise: 1.1dB
- Standard Hermetic Package
- Operating Temperature Range: -55°C~+85°C

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

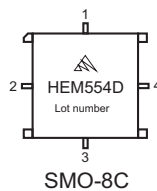
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	2.7~3.0	--
Gain	G _p	dB	≥ 23.0	24.0
Gain Flatness	ΔG _p	dB	≤ ±0.5	±0.3
Noise Figure	F _n	dB	≤ 1.3 Δ	1.1
Input VSWR	VSWR _i	--	≤ 1.5:1 Δ	--
Output VSWR	VSWR _o	--	≤ 1.5:1 Δ	--
For 1dB Compression	P ₋₁	dBm	≥ 8.0 * Δ	9.0
Supply Current	I _{CC}	mA	--	60

Note: "*" f=3000 MHz. "Δ" T_A=24±1°C.

Batch product (T_A=25°C). Gain consistency: ≤ ±0.5dB, phase unbalance: ≤ ±5°

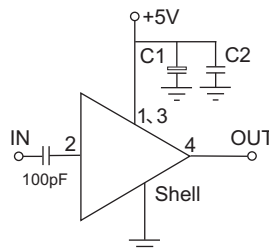
Maximum Ratings

- Power supply: +6.5V_{DC}
- RF input: +13dBm
- Storage Temp: +125°C



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-3) available.
4. See assembly section for outline and mounting information.



Typical Curves

