



Features

- Balance amplifier
- Frequency Range: 2.7~3.0GHz
- Low Noise: 0.8dB
- Standard Hermetic Package
- Operating Temperature Range: -55°C~+85°C

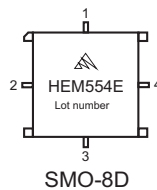
Electrical (50Ω, V_{CC}=+5V, T_A=-55°C~+85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	2.7~3.0	2.7~3.0
Gain	G _p	dB	12.0	13.0
Gain Flatness	ΔG _p	dB	±0.4	±0.3
Noise Figure	F _n	dB	0.8Δ	0.7
Input VSWR	VSWR _i	--	1.4:1	--
Output VSWR	VSWR _o	--	1.4:1	--
For 1dB Compression	P ₋₁	dBm	8.0*Δ	9.0
Supply Current	I _{CC}	mA	--	45

Note: "*" f=3000 MHz. "Δ" T_A=24±1°C.

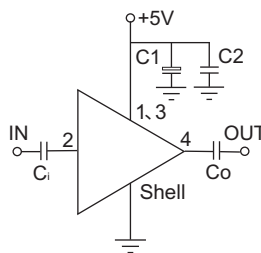
Maximum Ratings

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=1000~3300pF.
2. See assembly section for outline and mounting information.
3. ESD observe handling precautions.



Typical Curves

