

Features

- Frequency Range: 5.2~5.8GHz
- 21dBm Typical 1dB Compression
- 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	5.2~5.8	--
Gain	G _p	dB	≥15.0	17.0
Gain Flatness	ΔG _p	dB	≤±1.0 Δ	±0.5
Noise Figure	F _n	dB	≤6.0	5.0
Input VSWR	VSWR _i	--	≤2.0:1	1.8:1
Output VSWR	VSWR _o	--	≤2.0:1	1.8:1
Saturation Output Power	P ₀	dBm	≥20.0 * Δ	21.0
DC Current	I _{CC}	mA	--	150

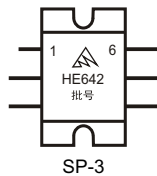
*f = 5800MHz; "Δ" T_A = 24 ± 1°C;

Maximum Rating

DC Voltage : +13.5VDC

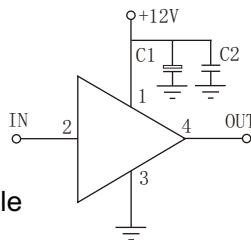
RF Input: +13dBm

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. Pay attention to heat dispersion.



Typical Curves

