

Features

- Frequency Range: 1.0~3.5GHz
- 23dBm 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	1.0~3.5	1.0~3.5
Gain	G _p	dB	≥24.0	25.0
Gain Flatness	ΔG _p	dB	≤±1.5Δ	±1.0
Noise Figure	F _n	dB	≤6.0Δ	5.5
VSWR	VSWR	--	≤2.0:1Δ	--
Saturation Output Power	P ₀	dBm	≥23.0 * Δ	23.5
DC Current	I _{CC}	mA	--	150

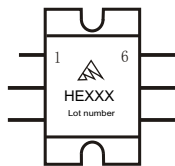
**f = 3500MHz; "Δ" T_A = 24 ± 1°C;

Maximum Rating

DC Voltage : +13.5VDC

RF Input: +10dBm

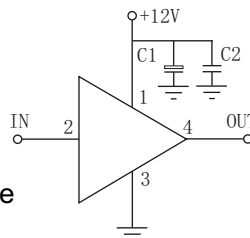
Storage Temp: +125°C



SP-3

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-3) available
4. Pay attention to heat dispersion.
5. ESD observe handling precautions



Typical Curve

