



Features

- Frequency Range: 3~50MHz
- Gain: 11dB(typ)
- IP3(out): 32dBm(typ)
- P-1: 20dBm
- Standard Hermetic Package TO-8

Electrical (50 Ω, V_{CC} = +15V, T_A = 25°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	3~50	3~110
Gain	G _p	dB	≥10	11
Gain Flatness	ΔG _p	dB	≤1.0	±0.3
Noise Figure	F _n	dB	≤2.0 Δ	1.3
Input VSWR	VSWR _i	--	≤2.0:1 Δ	1.7:1
Output VSWR	VSWR _o	--	≤2.0:1 Δ	1.7:1
For 1dB Compression	P ₋₁ *	dBm	≥20.0*Δ	21
Supply Current	I _{CC}	mA	--	35

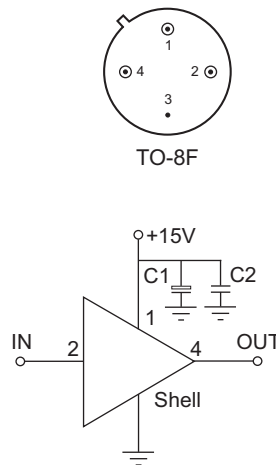
Note: 1)When V_{CC}=12V, Gain will decrease 0.1dB, P-1 will decrease 2.0dB, Current is 28mA(typ). F_n: 10~110MHz.
 2) "*" f=50 MHz. "Δ" T_A=24±1°C.

Maximum Ratings

Power supply: +17V_{DC}
 RF input: +13dBm
 Storage Temp: +125°C

Application Notes

1. Interface schematic shown as right, C₁ = 3.3~22 μ F, C₂ = 1000~3300pF.
2. ESD observe handling precautions.
3. Connectorized package (SMA-2) available.
4. See assembly section for outline and mounting information.



Typical Curves

