

Features

- Frequency Range: 1~100MHz
- Gain: 28dB(Typical)
- 17dBm Typical 1dB Compression
- IP₃(out): 30dBm(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

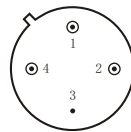
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	1~100	—
Gain	G _p	dB	≥27.0	28.0
Gain Flatness	ΔG _p	dB	≤1.0	0.4
Noise Figure	F _n	dB	≤2.5 Δ	2.2
Input VSWR	VSWR _i	—	≤2.0:1	1.5:1
Output VSWR	VSWR _o	—	≤2.0:1	1.5:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥16.0 * Δ	17.0
DC Current	I _{CC}	mA	—	32

- 1) *Δf = 50MHz; “Δ” T_A = 24 ± 1°C;
- 2) The G_p and P₋₁ will be reduced 0.4dB and 2.8dB respectively (I_{CC} = 26mA Typ).

Maximum Rating

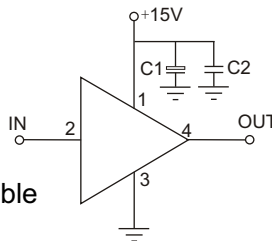
DC Voltage : +17V_{DC}
 RF Input: +7dBm
 Storage Temp: +125°C



T0-8F

Application Notes

1. Typical application shown as right, C₁ = 22~47 μF ; C₂ = 1000~3300pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-2) available



Typical Curves

