



Features

- Frequency Range: 10~2000MHz
- Standard Hermetic Package TO-8C
- Operating Temperature Range: -55°C~+85°C

Electrical

(50 Ω, V_{CC}=+12V, T_A=-55°C~+85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~1500	10~2000
Gain	G _p	dB	≥12.0	13.5
Gain Flatness	Δ G _p	dB	≤1.5	0.7
Noise Figure	F _n	dB	≤3.5 Δ #	2.8
Input VSWR	VSWR _i	--	≤2.0:1 Δ	1.5:1
Output VSWR	VSWR _o	--	≤2.0:1 Δ	1.4:1
For 1dB Compression	P ₋₁	dBm	≥24.0 Δ	24.5
Supply Current	I _{CC}	mA	--	145

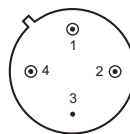
Note: “Δ” T_A=24±1°C. “#” f ≥ 100MHz.

Maximum Ratings

Power supply: +13.5V_{DC}

RF input: +15dBm

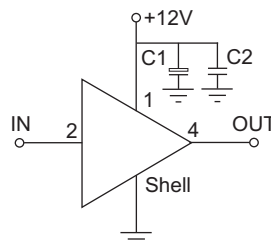
Storage Temp: +125°C



TO-8C

Application Notes

1. Typical application shown as right, C₁=3.3~22 μF, C₂=3300~6800pF.
2. ESD observe handling precautions.
3. Connectorized package (SMA-1) available.
4. See assembly section for outline and mounting information.



Typical Curves

