

Features

- Frequency Range: 20~400MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package TP-8C
- Operating Temperature Range: -55°C~+85°C

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

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~400	10~400
Gain	G _p	dB	≥ 14.0	16.0
Gain Flatness	Δ G _p	dB	≤ 1.0 Δ	0.6
Noise Figure	F _n	dB	≤ 4.5 Δ	4.0
Input VSWR	VSWR _i	--	≤ 2.0:1 Δ	1.8:1
Output VSWR	VSWR _o	--	≤ 2.0:1 Δ	1.8:1
For 1dB Compression	P ₋₁	dBm	≥ 23.0* Δ	24.0
Supply Current	I _{CC}	mA	--	120

Note: 1) "*" f=300 MHz. "Δ" T_A=24±1°C.

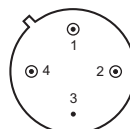
2)When V_{CC}=12V, Gain will Decrease 0.3dB, P₋₁ will decrease 2dB, Current is 92mA(typ).

Maximum Ratings

Power supply: +16V_{DC}

RF input: +10dBm

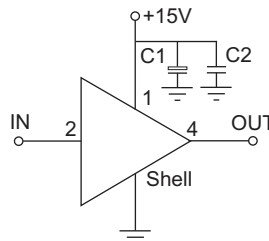
Storage Temp: +125°C



TO-8C

Application Notes

1. Interface schematic shown as right, C₁=3.3~22 μ F, C₂=3300~6800pF.
2. Pay attention to heat dispersion.
3. Connectorized package (SMA-1) available.
4. See assembly section for outline and mounting information.



Typical Curves

