



Features

- Frequency Range: 20~200MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C~+85°C

Electrical (50 Ω , $V_{CC}=+12V$, $T_A=-55^{\circ}C \sim +85^{\circ}C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~200	--
Gain	Gp	dB	≥ 30.0	31.0
Gain Flatness	ΔGp	dB	$\leq \pm 0.5$	± 0.3
Noise Figure	Fn	dB	$\leq 5.0 \Delta$	4.0
VSWR	VSWR	--	$\leq 2.0:1$	1.6:1
VGC Range	Att	dB	≥ 50.0	--
Output Power @ 1dB Compression	P-1	dBm	$\geq 6.0^* \Delta$	8.0
Supply Current	I_{CC}	mA	--	50
VGC control Voltage/Current	Vt/It	V/mA	--	0-12/0-10

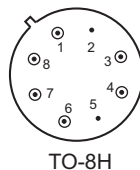
Note: 1) "*" f=100MHz. " Δ " $T_A=24 \pm 1^{\circ}C$.
2) Gp and Fn are tested at $V_t=12V_{DC}$.

Maximum Ratings

Power supply: +15V_{DC}

RF input: +10dBm

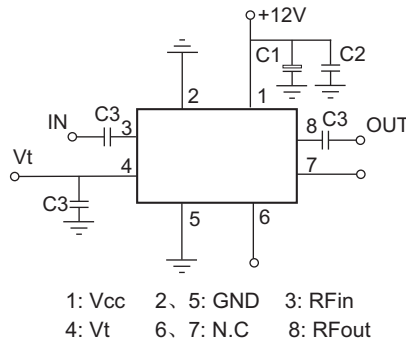
Storage Temp: +125°C



TO-8H

Application Notes

1. Typical application shown as right, $C_1=3.3 \sim 22 \mu F$, $C_2=3300 \sim 6800 pF$, $C_3=3300 pF$.
2. See assembly section for outline and mounting information.



Typical Curves

