



### Features

- Frequency Range: 10~200MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C~+85°C

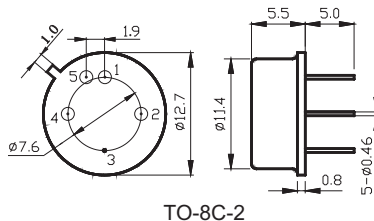
### Electrical (50 Ω, V<sub>CC</sub>=+15V, T<sub>A</sub>=-55°C~+125°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	MHz	20~100	10~200
Gain	G <sub>p</sub>	dB	44.0~50.0	46.5
Gain Flatness	ΔG <sub>p</sub>	dB	≤2.0(20-80MHz)	1.0
Noise Figure	F <sub>n</sub>	dB	≤6.5	5.5
VSWR	VSWR	--	≤2.0:1	1.5:1
VGC Range	Att	dB	≥50.0 Δ	55.0
VGC Range	τ	μ S	≤30Δ	5.5
Output Power @ 1dB Compression	P <sub>o</sub> (1dB)	dBm	7.0 *	9.5
Supply Current	I <sub>CC</sub>	mA	≤80	65
VGC control Voltage/Current	V <sub>t</sub> /I <sub>t</sub>	V/ mA	--	0-5/0-10

Note: 1) "\*" f=80 MHz. "Δ" T<sub>A</sub>=24±1°C.  
 2) G<sub>p</sub> and F<sub>n</sub> are tested at V<sub>t</sub>=0V<sub>DC</sub>.

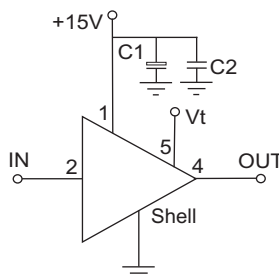
### Maximum Ratings

Power supply: +17V<sub>DC</sub>  
 RF input: +10dBm  
 Storage Temp: +125°C



### Application Notes

1. Interface schematic shown as right, C<sub>1</sub>=3.3~22 μ F, C<sub>2</sub>=1000~3300pF.
2. See assembly section for outline and mounting information.



### Typical Curves

