



### Features

- Frequency Range: 0.5~0.7GHz
- Low Noise: 1.0dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

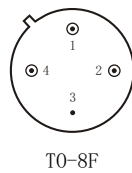
### Specifications (50 Ω, V<sub>CC</sub> = +5V, T<sub>A</sub> = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	GHz	0.5~0.7	—
Gain	G <sub>p</sub>	dB	≥25.0	27.0
Gain Flatness	ΔG <sub>p</sub>	dB	≤± 1.25Δ	± 1.0
Noise Figure	F <sub>n</sub>	dB	≤ 1.2 Δ	1.0
Input VSWR	VSWR <sub>i</sub>	—	≤2.5:1 Δ	2.0:1
Output VSWR	VSWR <sub>o</sub>	—	≤2.5:1 Δ	1.8:1
Output Power @ 1dB Compression	P <sub>-1</sub>	dBm	≥3.0 * Δ	8.0
DC Current	I <sub>CC</sub>	mA	75	55

“\*”f = 700MHz; “Δ” T<sub>A</sub> = 24 ± 1°C;

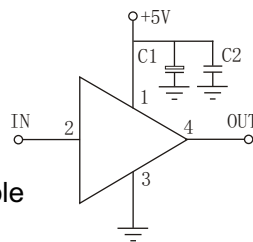
### Maximum Rating

- DC Voltage : +6VDC
- RF Input: +10dBm
- Storage Temp: +125°C



### Application Notes

1. Typical application shown as right, C<sub>1</sub> = 10~33 μF ; C<sub>2</sub> = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-2) available
4. ESD observe handling precautions



### Typical Curves

