

### Features

- Frequency Range: 5.0~6.0GHz
- Output power: 30.5dBm
- Standard Hermetic Package QF92-4A
- Operating Temperature Range: -55°C ~ +85°C

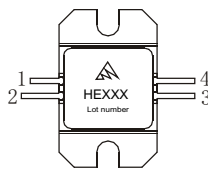
### Specifications (50 Ω, V<sub>cc</sub>=+10V, P<sub>in</sub>=0dBm, T<sub>A</sub>=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f <sub>L</sub> ~f <sub>H</sub>	GHz	5.2~5.8	5.0~6.0
Gain	G <sub>p</sub>	dB	29.0	29.5
Gain Flatness	ΔG <sub>p</sub>	dB	±0.5	±0.3
Input VSWR	VSWR <sub>i</sub>	—	2.0:1	1.5:1
Saturation Output Power	P <sub>o</sub>	dBm	30.0 Δ	30.5
DC Current	I <sub>cc</sub>	mA	—	0.40

“Δ” T<sub>A</sub>=24±1°C;

### Maximum Rating

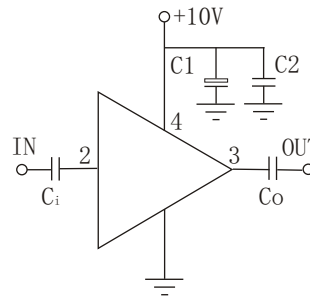
- DC Voltage : +11.0V
- RF Input: +10dBm
- Storage Temp: +125°C



QF92-4A

### Application Notes

1. Typical application shown as right: C<sub>1</sub>=10~33 μF ; C<sub>2</sub>= 1000~3300pF;
2. The output port should be connected with an isolator;
3. See assembly section for mounting information
4. Input port and output port should be avoided operating under short, open or high VSWR state .
5. Heat sink must be provided in use.



### Typical Curves

