

Features

- Frequency Range: 7.5~8.5GHz
- Output power: 29.5dBm
- Standard Hermetic Package QF92-4A
- Operating Temperature Range: -55°C ~ +85°C

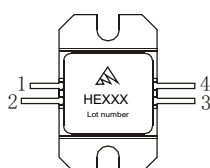
Specifications (50 Ω , $V_{CC}=+10V$, $P_{in}=0dBm$, $T_A=-55^{\circ}C \sim +85^{\circ}C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	GHz	7.5 ~ 8.5	7.5 ~ 8.5
Gain	G_p	dB	28.0	28.5
Gain Flatness	ΔG_p	dB	± 0.5	± 0.3
Input VSWR	VSWR _i	---	2.0:1	1.5:1
Saturation Output Power	P_o	dBm	29.0 Δ	29.5
DC Current	I_{cc}	mA	---	0.35

“ Δ ” $T_A=24 \pm 1^{\circ}C$;

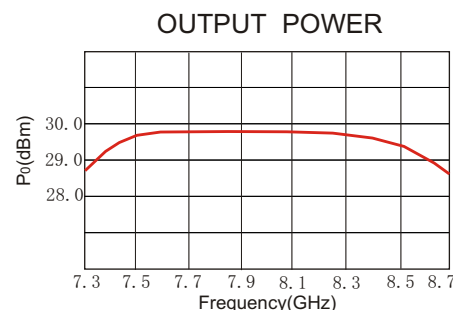
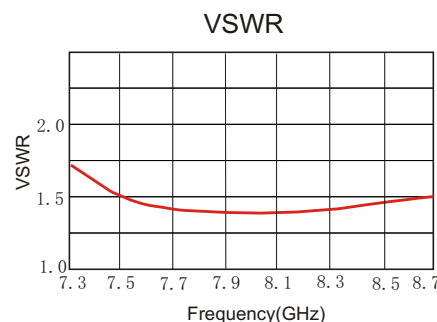
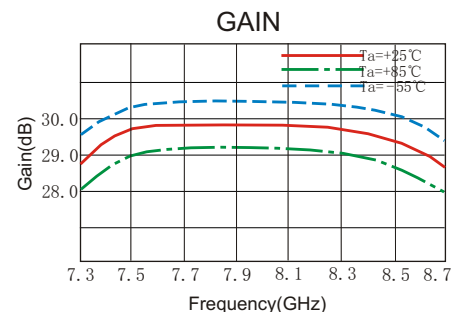
Maximum Rating

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



QF92-4A

Typical Curves



Application Notes

1. Typical application shown as right: $C_1=10 \sim 33 \mu F$;
 $C_2= 1000 \sim 3300pF$;
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.

