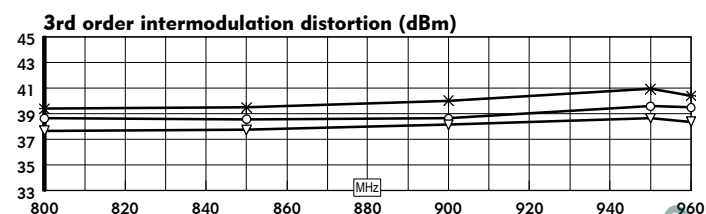
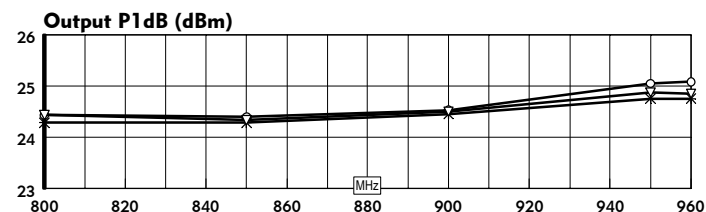
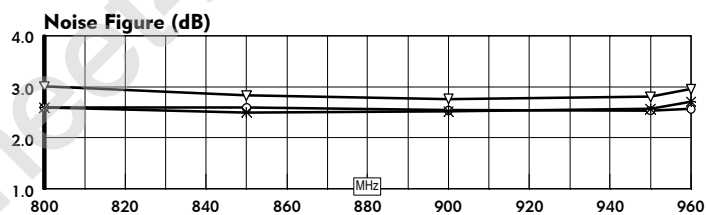
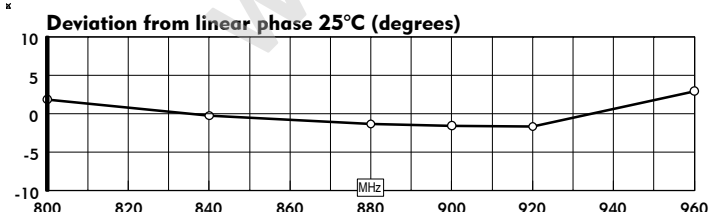
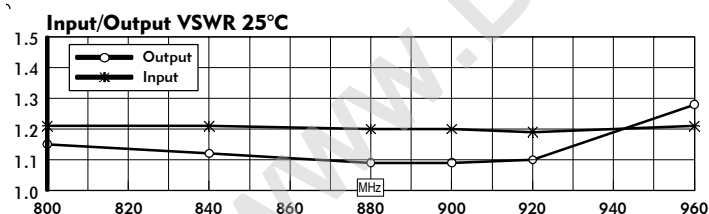
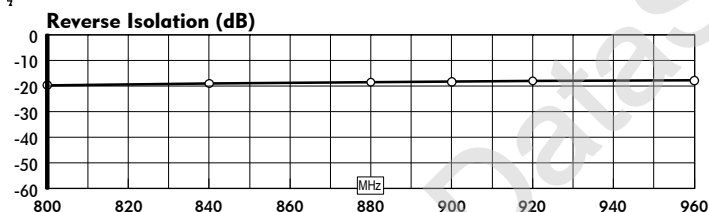
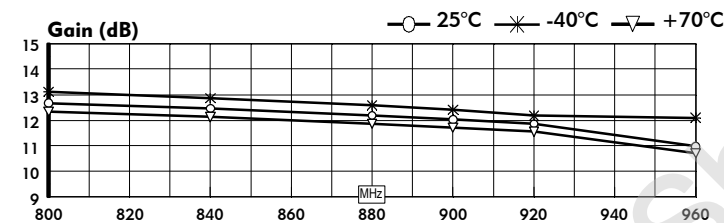


## QBH-8708

- Hybrid surface mount package
- High OIP3, +37 dBm typical
- Low Noise Figure

Parameters	Typical	Guaranteed	Units
	25°C	-40 to +70°C	
Frequency range	800 - 960		MHz
Small signal gain	12.8		dB
Gain flatness			dB p-p
Reverse isolation	13	13	dB
VSWR Input	1.5:1	1.5:1	
Output	1.5:1	1.5:1	
1 dB compression	+23	+23	dBm
Output intercept point			
3rd Order	+37	+37	dBm
2nd Order			dBm
Noise figure	3.5	3.5	dB
DC supply voltage*	15		Vdc
DC supply current	150	160	mA
Gain vs. Vdc			dB/Volt
Package/Housing	LCSM (E52-19422)		

\*all specification ratings are based on DC supply voltage  $\pm$  1%



### TYPICAL S-PARAMETER DATA

MHz	S11		S21		S12		S22	
	dB	Ang	dB	Ang	dB	Ang	dB	Ang
800	-21.0	92.2	12.7	96.5	-19.6	92.8	-23.3	-20.8
840	-21.0	87.8	12.4	79.6	-19.1	78.3	-25.4	-31.8
880	-21.0	82.2	12.2	63.7	-18.6	64.4	-27.9	-28.2
900	-21.2	79.9	12.0	56.1	-18.3	57.7	-28.5	-12.0
920	-21.4	78.0	11.9	48.7	-18.0	50.7	-27.9	3.6
960	-20.9	119.0	11.0	38.0	-17.9	27.7	-18.7	-36.0

### ABSOLUTE MAXIMUM RATINGS

Power supply voltage	
Sustaining	Vdc
Pulse (transient)	Vdc
Temperature	
Operating	to °C
Storage	to °C