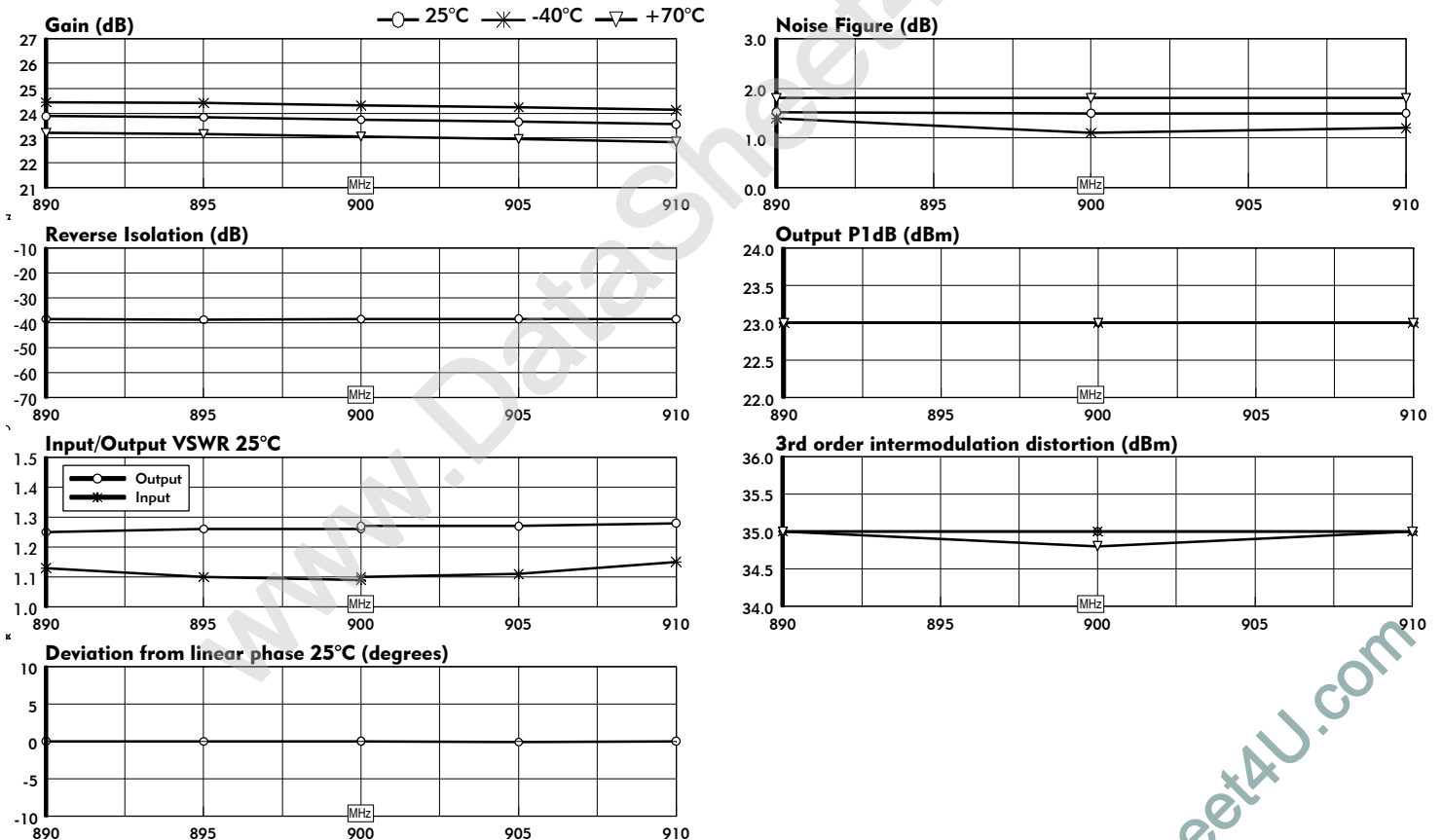


QBH-8712

- **890-910 MHz bandwidth**
- **High intercept point, +35 dBm typical IP3**
- **Low noise figure, 1.5 dB typical**
- **15 Vdc operation**

Parameters	Typical	Guaranteed	Units
	25°C	-40 to +70°C	
Frequency range	890 - 910		MHz
Small signal gain	23.5		dB
Gain flatness	0.3	0.6	dB p-p
Reverse isolation	38	37	dB
VSWR Input	1.2:1	1.5:1	
Output	1.3:1	1.5:1	
1 dB compression	+23	+22	dBm
Output intercept point			
3rd Order	+35	+32	dBm
2nd Order			dBm
Noise figure	1.5	2.0	dB
DC supply voltage*	15		Vdc
DC supply current	180	220	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
890	-24.7	158.0	23.9	36.9	-38.5	-52.5	-19.2	-47.5
895	-26.7	171.4	23.8	34.0	-38.8	-58.2	-18.9	-51.6
900	-28.2	-168.5	23.7	31.1	-38.6	-59.9	-18.7	-55.6
900	-27.8	-169.4	23.7	31.1	-38.6	-57.9	-18.6	-55.4
905	-27.1	-154.3	23.7	28.2	-38.5	-63.1	-18.4	-59.3
910	-23.9	-144.3	23.5	25.4	-38.6	-66.2	-18.2	-62.9

ABSOLUTE MAXIMUM RATINGS

Power supply voltage	
Sustaining	+17.0 Vdc
Pulse (transient)	+20.0 Vdc
Temperature	
Operating	-55 to +85°C
Storage	-65 to +150°C
Maximum input drive	2.0 Vrms

H91-8712.11/06/98, Revision B1