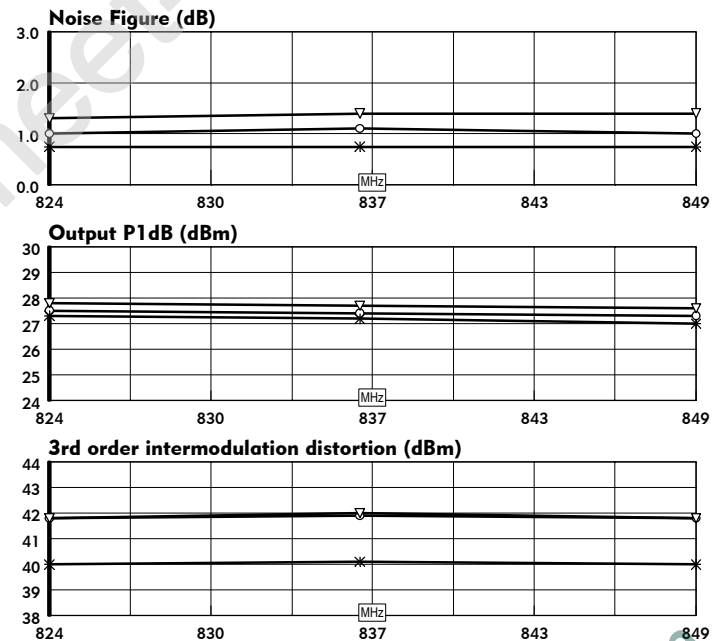
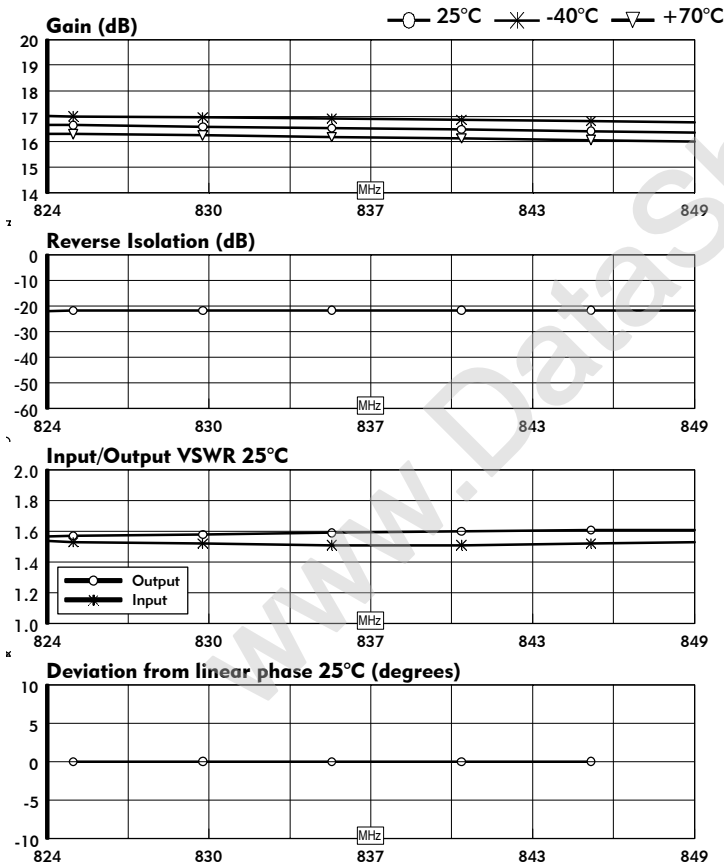


QBH-8717

- **824-849 MHz bandwidth**
- **High intercept point, +41 dBm typical IP3**
- **Low noise figure, 1.1 dB typical**
- **15 Vdc operation**

Parameters	Typical	Guaranteed	Units
	25°C	-40 to +70°C	
Frequency range	824 - 849		MHz
Small signal gain	16.0		dB
Gain flatness	0.3	0.6	dB p-p
Reverse isolation	21	19	dB
VSWR Input	1.6:1	2.0:1	
Output	1.6:1	2.0:1	
1 dB compression	+27	+26	dBm
Output intercept point			
3rd Order	+41	+38	dBm
2nd Order			dBm
Noise figure	1.1	1.5	dB
DC supply voltage*	15		Vdc
DC supply current	150	170	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
825	-13.7	37.9	16.6	-33.3	-21.8	-58.6	-13.1	-129.9
830	-13.8	30.4	16.6	-35.4	-21.8	-60.5	-13.0	-133.3
835	-13.9	22.9	16.5	-37.6	-21.7	-62.7	-12.9	-136.6
840	-13.9	15.1	16.5	-39.7	-21.7	-64.2	-12.8	-139.8
845	-13.8	7.4	16.4	-41.7	-21.7	-66.5	-12.7	-142.8

ABSOLUTE MAXIMUM RATINGS

Power supply voltage	
Sustaining	+20.0 Vdc
Pulse (transient)	+20.0 Vdc
Temperature	
Operating	-55 to +125°C
Storage	-65 to +150°C
Maximum input drive	2.0 Vrms