

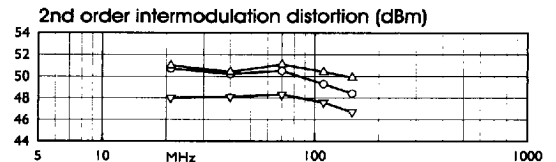
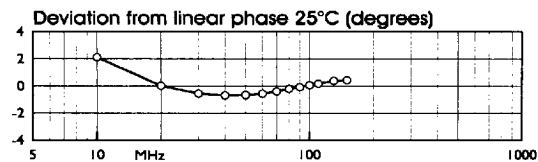
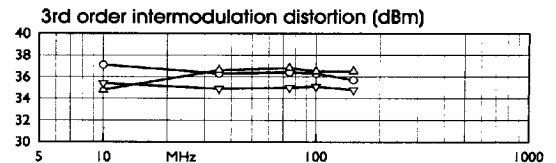
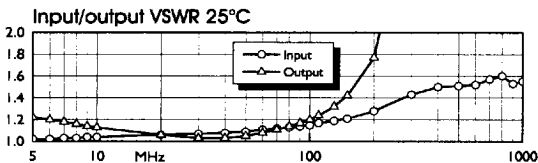
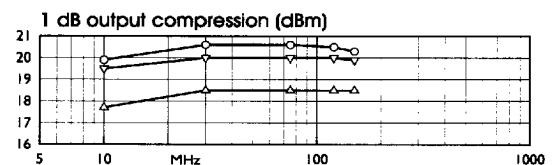
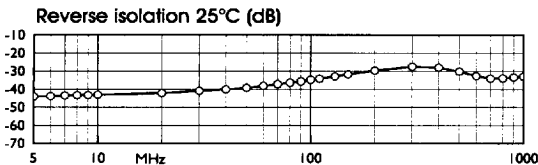
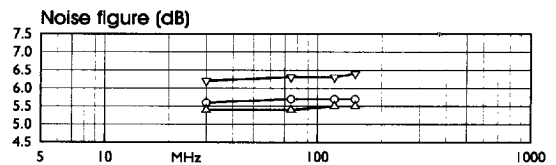
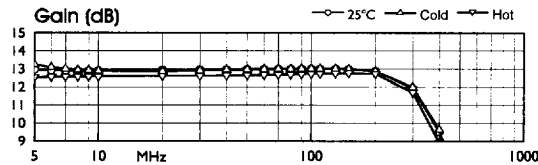
10 - 150 MHz Standard Hybrid Amplifier

QBH-145

- **10-150 MHz bandwidth**
- **High reverse isolation**
- **Very flat gain response**
- **Guaranteed stability**

Parameters	Specification limit		Units
Temperature	+25	-55 to +100	°C
Frequency range	10 - 150		MHz
Small signal gain	13.0 ± 0.5		dB
Gain vs. temperature	+0.4/-1.0		dB Max
Gain flatness	0.4	0.5	dB Max p-p
Reverse isolation	31	30	dB Min
VSWR Input	1.5:1	1.5:1	Max
Output	1.5:1	1.5:1	Max
1 dB compression	+19	+16	dBm Min
Output intercept point			
3rd Order	+34	+32	dBm Min
2nd Order	+47	+42	dBm Min
Noise figure	5.8	6.5	dB Max
DC power @ 15 Vdc ± 1%	42	45	mA Max
Gain vs. Vdc	0.10		dB/Volt Max
Housing	TO-8 (see page P-14 for details)		

HYBRID



ABSOLUTE MAXIMUM RATINGS

Power supply voltage	
Sustaining	+20.0 Vdc
Pulse (transient)	+25.0 Vdc
Temperature	
Operating	-55 to +125°C
Storage	-65 to +150°C
Maximum input drive	2.0 VRMS
Thermal rise, junction-to-case	+31°C

H91-0145.0495, Revision A1

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