

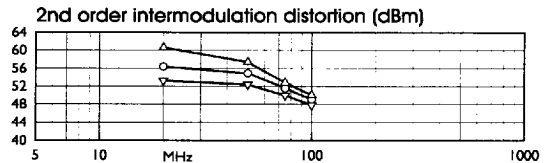
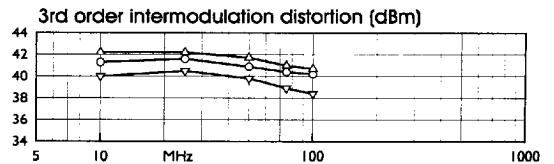
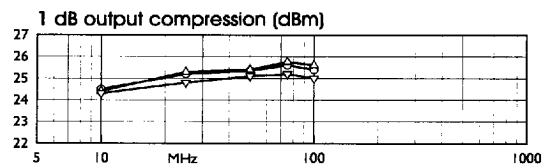
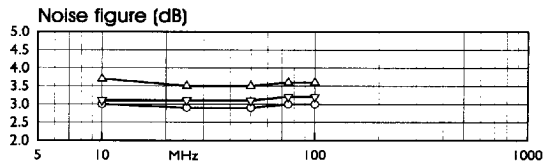
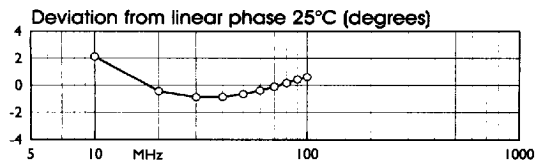
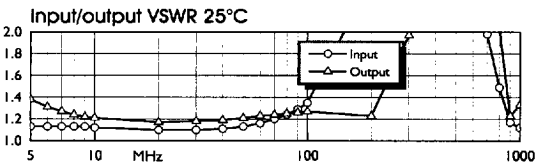
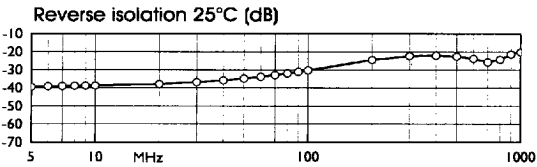
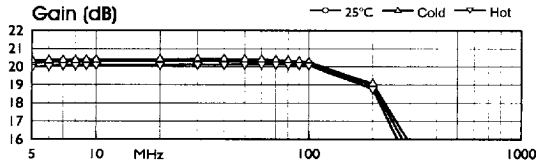
10 - 100 MHz Standard Hybrid Amplifier

QBH-5804

- **10-100 MHz bandwidth**
- **Low noise figure**
- **Excellent 3rd order intercepts**
- **High reverse isolation**
- **New item**

Parameters	Specification limit		Units
Temperature	+25	-55 to +85	°C
Frequency range	10 - 100		MHz
Small signal gain	20.0 ± 0.5		dB
Gain vs. temperature		+0.4/-0.5	dB Max
Gain flatness	0.5	0.6	dB Max p-p
Reverse isolation	27	27	dB Min
VSWR Input	1.5:1	1.5:1	Max
Output	1.5:1	1.5:1	Max
1 dB compression	+24	+23	dBm Min
Output intercept point			
3rd Order	+38	+37	dBm Min
2nd Order	+48	+46	dBm Min
Noise figure	4.0	5.0	dB Max
DC power @ 15 Vdc ± 1%	82	85	mA Max
Gain vs. Vdc	0.10		dB/Volt Max
Housing	F-PACK .450 SQ SMD (see page P-30 for details)		

HYBRID



ABSOLUTE MAXIMUM RATINGS

Power supply voltage	
Sustaining	+17.0 Vdc
Pulse (transient)	+17.0 Vdc
Temperature	
Operating	-55 to +125°C
Storage	-65 to +150°C
Maximum input drive	1.4 VRMS

H91-5804.0495, Revision A1

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