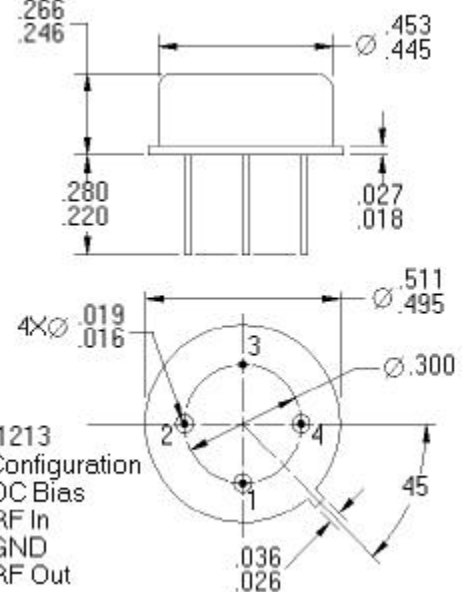


QBH-138 Amplifier Performance Specifications

Specifications	Min/Max +25 °C	Min/Max -55 to +85 °C
Frequency (MHz)	5 - 150	
Gain (dB)	15.5 ±0.5	+1.0 / -0.6
Gain Flatness (dB)	+0.6	+1.4
Noise Figure (dB)	3.2	3.7
Power Out (dBm)	+20.0	+19.0
3rd Order Int (dBm)	+37.0	+35.0
2nd Order Int (dBm)	+49.0	+46.0
Reverse Isolation (dB)	+28.0	+28.0
Input VSWR	1.6:1	1.6:1
Output VSWR	1.6:1	1.6:1
DC Current (mA)	+99.0	+103.0
DC Voltage (V)	+15.0	
Gain vs. Vdc (dB/V)	+0.10	

Mechanical Outline Drawing



Absolute Maximum Ratings	
Sustained Voltage (Vdc)	+17.0
Pulsed (Transient) Voltage (V)	+17.0
Operating Temperature	-55 to +125 °C
Storage Temperature	-65 to +150 °C
Maximum Input Drive (Vrms)	+2.2
Thermal Rise, junction-case	+48 °C
Drawing Revision	F1

Frequency (MHz)	S11		S21		S12		S22	
	Mag (dB)	Angle	Mag (dB)	Angle	Mag (dB)	Angle	Mag (dB)	Angle
5	-32.4	125.0	15.3	-173.0	-41.4	45.7	-21.7	29.5
6	-32.5	131.0	15.3	-175.0	-41.3	39.6	-21.9	23.8
7	-32.9	132.0	15.3	-177.0	-41.2	35.2	-21.9	19.6
8	-33.1	133.0	15.4	-178.0	-41.1	34.9	-21.9	16.2
9	-33.6	132.0	15.4	-179.0	-41.2	31.2	-21.9	13.3
10	-34.1	131.0	15.4	-180.0	-41.3	30.4	-21.9	10.9
20	-43.5	115.0	15.4	174.0	-40.2	28.7	-22.0	-3.5
30	-49.9	37.3	15.4	169.0	-39.4	29.8	-21.9	-12.9
40	-39.6	-68.1	15.4	164.0	-38.5	34.1	-21.9	-21.0
50	-33.8	-75.0	15.4	160.0	-37.7	35.9	-22.0	-28.4
60	-30.6	-81.4	15.4	155.0	-36.7	39.0	-22.0	-36.2
70	-28.1	-86.5	15.4	151.0	-35.8	39.0	-22.1	-43.9
80	-26.2	-91.8	15.4	146.0	-35.1	37.9	-22.2	-51.7
90	-24.6	-96.9	15.4	142.0	-34.2	36.9	-22.3	-59.7
100	-23.3	-102.0	15.4	137.0	-33.5	37.1	-22.3	-68.2
150	-18.2	-124.0	15.2	115.0	-30.4	28.5	-22.1	-113.0

REMEC Q-bit

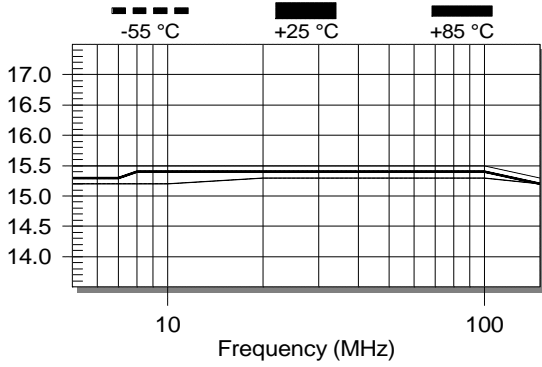
2144 Franklin Drive NE
Palm Bay, FL 32905
Q-Vision Ver. 2.0

Phone: (407) 727-1838
FAX: (407) 727-3729
Date: 02-27-1999

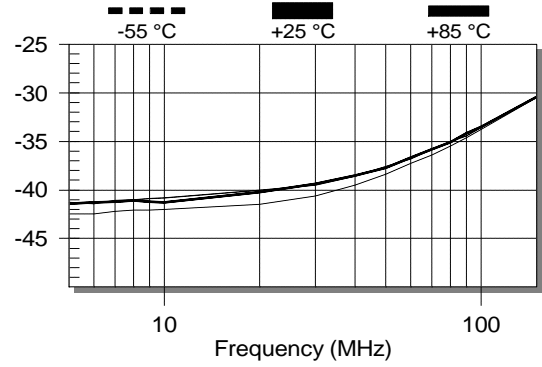
E-mail: sales@q-bit.com
Sales: (800) 226-1772

QBH-138 Amplifier Performance Specifications

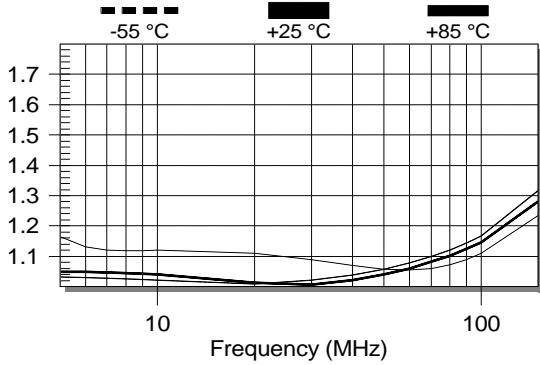
QBH-138 Gain (dB)



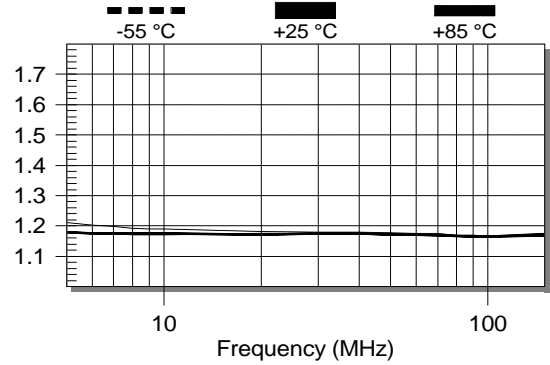
QBH-138 Reverse Isolation (dB)



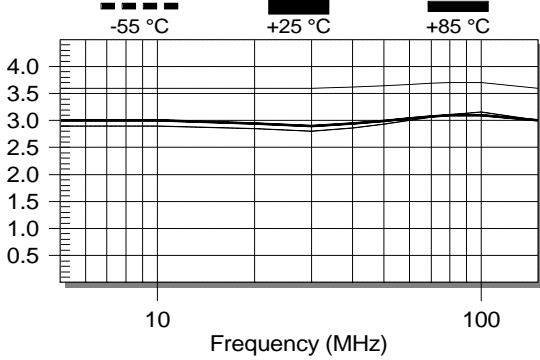
QBH-138 Input VSWR



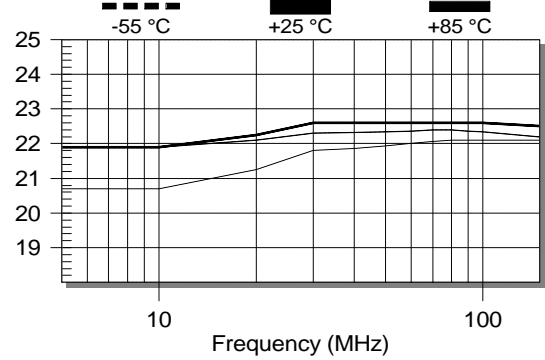
QBH-138 Output VSWR



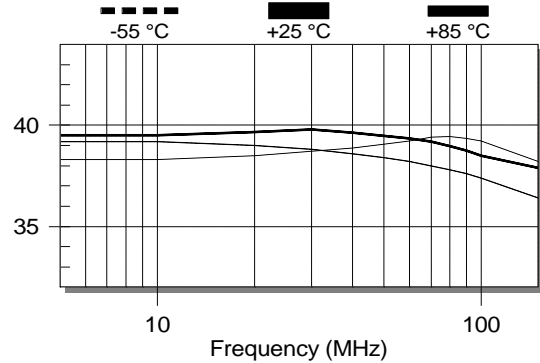
QBH-138 Noise Figure (dB)



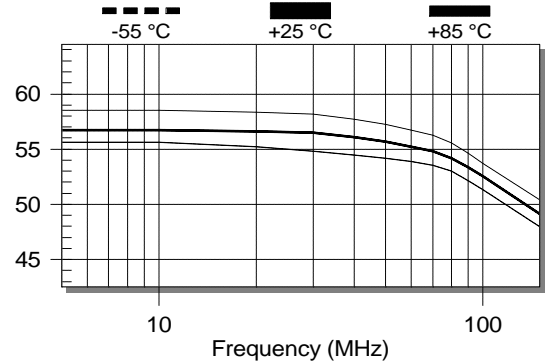
QBH-138 1 dB Compression (dBm)



QBH-138 3rd Order Intercept (dBm)



QBH-138 2nd Order Intercept (dBm)



REMEC Q-bit

2144 Franklin Drive NE
Palm Bay, FL 32905
Q-Vision Ver. 2.0

Phone: (407) 727-1838
FAX: (407) 727-3729
Date: 02-27-1999

E-mail: sales@q-bit.com
Sales: (800) 226-1772