

RF AMPLIFIER

MODEL QBH-2832



Features

- High Gain: 35.5 dB Typical
- High Power: +33 dBm Typical
- Replaces Old Motorola "2832" Design

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta=±25 °C
Frequency	1 - 200 MHz	1 - 200 MHz
Gain (dB)	35.5	34 Min/ 37 Max.
Gain vs. Temperature	—	—
Gain Flatness	±0.5	± 1.0 Max.
Reverse Isolation (dB)	—	—
VSWR	In 1.5:1 Out 1.5:1	2.0:1 Max. 2.0:1 Max.
1 dB Compression (dBm)	+33	+31 Min.
3rd Order Intercept (dBm)	+48	+45 Min.
Noise Figure (dB)	4.5	6.0 Max.
Power	Vdc +28 mA 435	+28 470 Max.

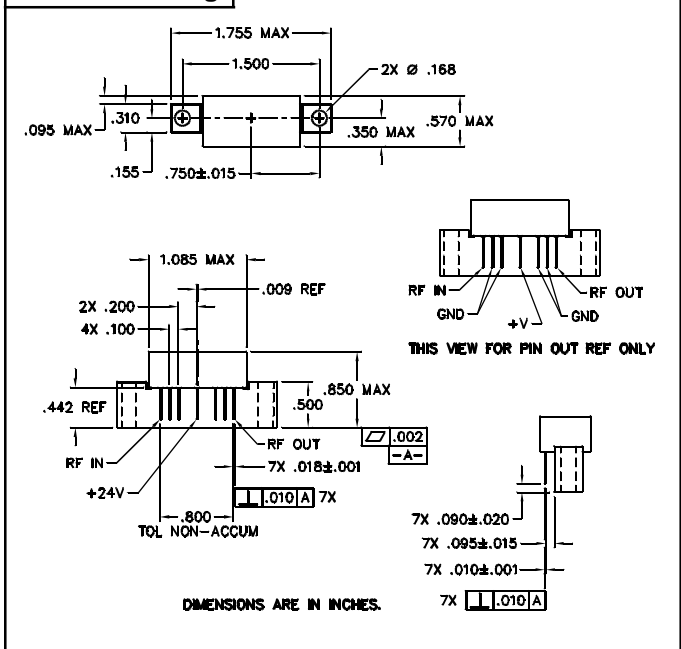
Notes:

1. Maximum operating temperature is defined as that temperature which, if exceeded for extended periods, could result in premature unit failure. This data is provided for user reliability information. This may or may not represent the maximum temperature for electrical parameter specifications.
2. Specifications are guaranteed when tested in a 50 Ohm system. Specifications indicated as typical are not guaranteed.

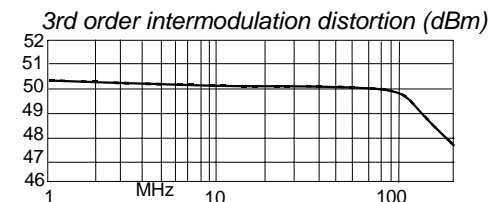
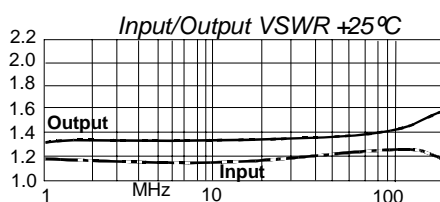
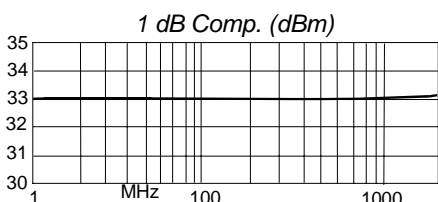
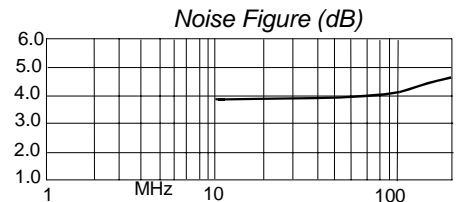
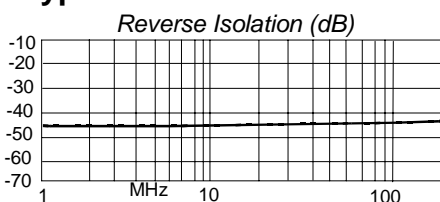
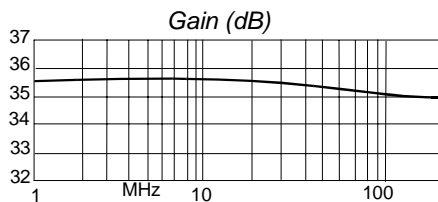
Absolute Maximum Ratings

Ambient Operating Temperature -20 °C to +90 °C
 Storage Temperature -40 °C to + 100 °C
 Case Temperature + 125 °C
 DC Voltage + 30 Volts
 Continuous RF Input Power + 5 dBm
 Short Term RF Input Power 100 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.1 Watt (3 μsec Max.)

Outline Drawing



Typical Performance Data



Legend ——— + 25 °C

