

RF AMPLIFIER

MODEL QBH-2830



Features

- High Gain: 34.5 dB Typical
- High Power: +30 dBm Typical
- Replaces Discontinued Modular Amplifiers

Specifications

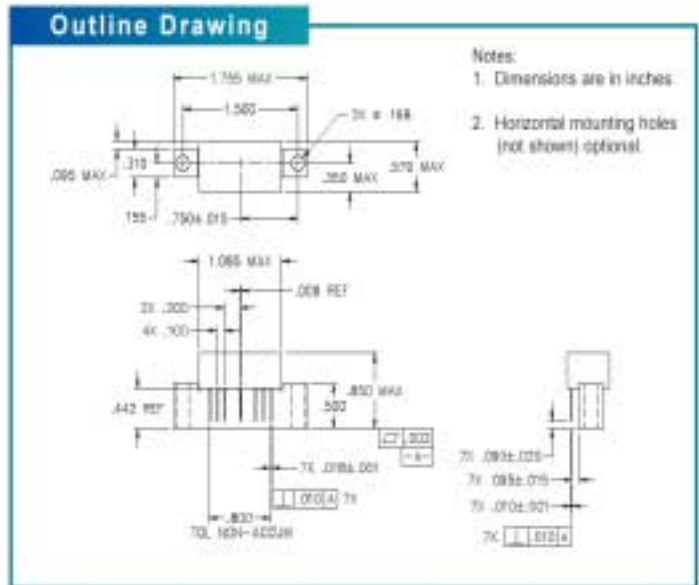
CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = ±25 °C	
Frequency	5 - 200 MHz	5 - 200 MHz	
Gain (dB)(f = 100 MHz)	34.5	34.5 Min/ 35.5 Max.	
Gain vs. Temperature	—	—	
Gain Flatness	± 0.5	± 1.0 Max.	
Reverse Isolation (dB)	—	—	
VSWR	In Out	1.5:1 1.5:1	2.0:1 Max. 2.0:1 Max.
1 dB Compression (dBm)	+30	+28 Min.	
3rd Order Intercept (dBm)	+46	+44 Min.	
Noise Figure (dB)	4.7	5.5 Max.	
Power	Vdc mA	+24 300	+24 330 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 +100 °C
 Storage Temperature -40 °C to +100 °C
 Case Temperature +125 °C
 DC Voltage +28 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.)



Typical Performance Data

