

RF AMPLIFIER

MODEL QBH-2818

Available as: QBH-2818 (400-22678-0001)

Features

- High Output Power: +30 dBm Typical
- High Third Order Intercept: +42 dBm Typical

Typical Intermodulation Performance at 25 °C

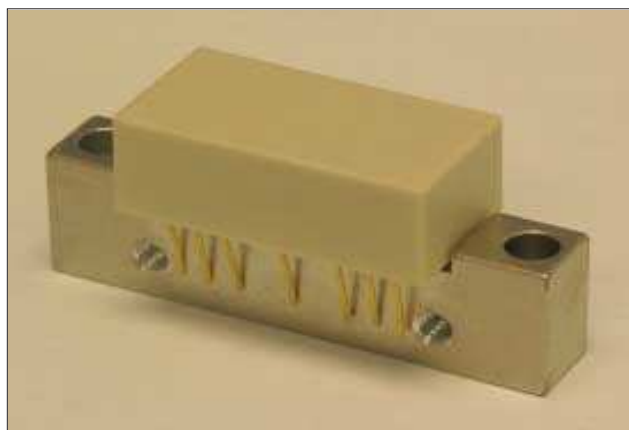
Second Order Two Tone Intercept Point +68 dBm (Typ.)
 Third Order Two Tone Intercept Point +42 dBm (Typ.)

Specifications

CHARACTERISTIC		TYPICAL Ta= 25 °C	MIN/MAX Ta = +25 °C
Frequency		.35 - 400 MHz	.35 - 400 MHz
Gain (dB) (f=50 MHz)		18.5	17.75 Min.
Power @ 1 dB Comp. (f=200 MHz) (dBm)		30	29 Min.
Reverse Isolation (dB)		-23	-21 Max.
VSWR	In	1.75:1	2.0:1 Max.
	Out	1.75:1	2.0:1 Max.
Noise Figure (dB) (f=200 MHz)		5.0	6.0 Max.
Power	Vdc	+24	+24
	mA	245	260 Max.

Absolute Maximum Ratings

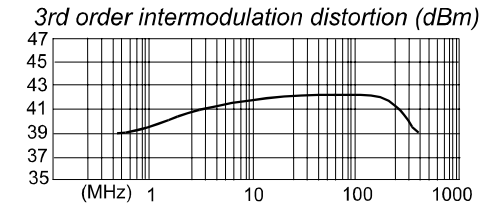
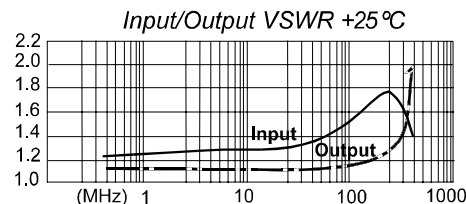
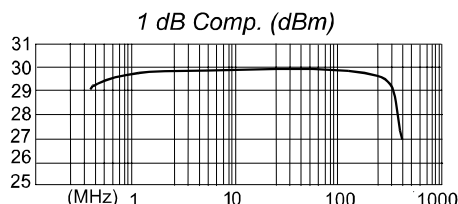
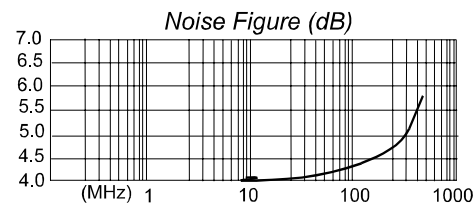
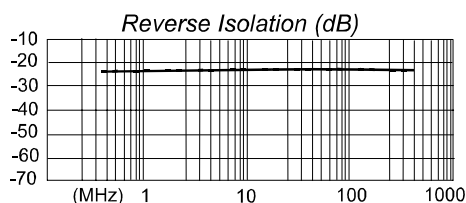
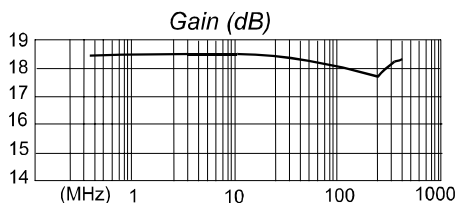
Ambient Operating Temperature -20°C to +100 °C
 Storage Temperature -40°C to +100 °C
 Case Temperature +100 °C
 DC Voltage +28 Volts
 Continuous RF Input Power +14 dBm



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.
3. Care should always be taken to effectively ground the case of each unit.

Typical Performance Data



Legend ——— + 25 °C

