

RF AMPLIFIER

MODEL QB-925

Available as: QB-925, 4 Pin Axial Package (080-22799)
 QB-925N, QB-925 with Optional Heat Sink

Features

- High Gain: 18 dB Typical
- High Power: +38 dBm Typical
- Operating Temp. -40 °C to +85 °C
- Environmental Screening Available

Maximum Ratings

Ambient Operating Temperature -40°C to +85
 Storage Temperature -65°C to +175 °C
 Vg -10 Vdc
 VD (Drain Voltage @+25 °C +32 Vdc
 Input Drive +29 dBm

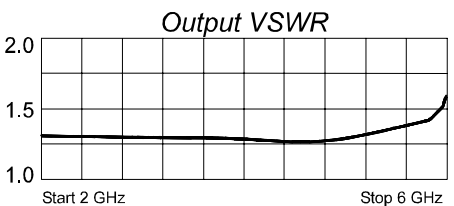
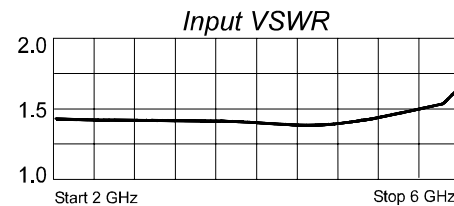
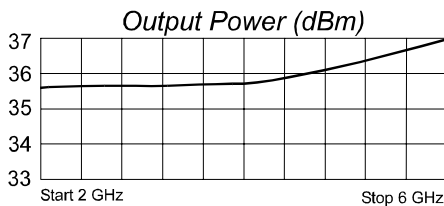
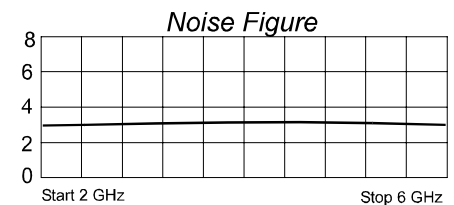
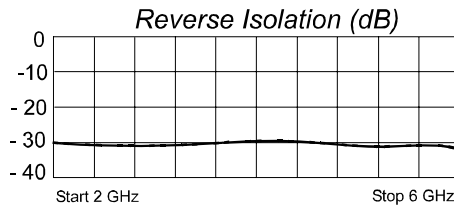
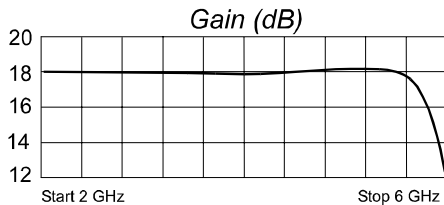
Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency	2 - 6 GHz	2 - 6 GHz
Gain (dB)	18	17 / 19
Gain var. Over Temp. (dB)	±1.5	2.0 Max.
Gain Flatness (dB)	±1.5	2.0 Max.
Reverse Isolation (dB)	30	27 Min.
VSWR In	1.5:1	2.0:1 Max.
Out	1.5:1	2.0:1 Max.
Output Power @ 3 dB Compression (dBm)	+38	+36 Min.
Noise Figure (dB)	3.0	3.5 Max.
Power Vdc	+20 to +28	+20 to +28
mA	350	375 Max.

Notes:

1. Specifications are guaranteed when tested in a 50 Ohm system. Specifications indicated as typical are not guaranteed.
2. Gate voltage must be sequenced ON before drain voltage is applied to prevent damage to the unit.

Typical Performance Data



Legend ——— +25 °C



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