

RF AMPLIFIER

Available as: QBH-8924, Hybrid SM (E52-19422)

MODEL QBH-8924

Features

- High Power: 25 dBm Typical
- Operating Temp. -40 °C to +70 °C
- Environmental Screening Available

Specifications

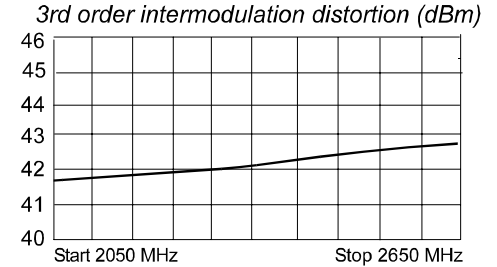
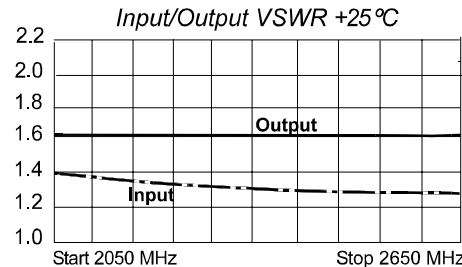
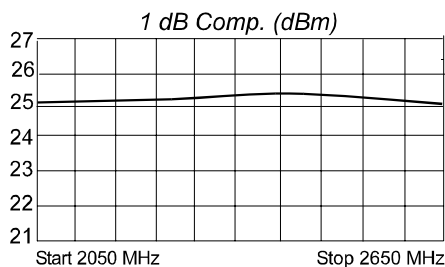
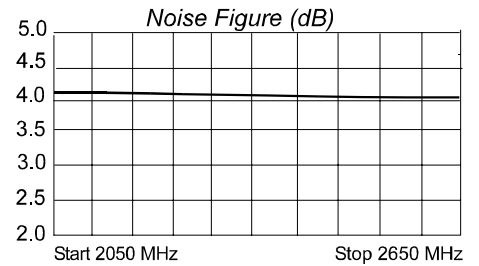
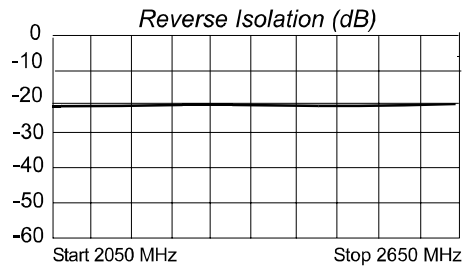
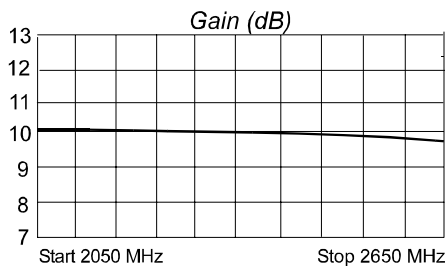
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -40 °C to +70 °C	
Frequency	2050 - 2650 MHz	2050 - 2650 MHz	
Gain (dB)	10 Min.	—	
Gain vs. Temperature	—	+1.5 Max.	
Gain Flatness	0.3	0.6 Max.	
Reverse Isolation (dB)	-21	-19 Min.	
VSWR	In Out	1.5:1 1.6:1	2.0:1 Max. 2.0:1 Max.
1 dB Compression (dBm)	+25	+23 Min.	
Output Intercept Point			
3rd Order	+42	+39 Min.	
2nd Order	—	—	
Noise Figure (dB)	4.0	5.0 Max.	
Power	Vdc mA	+12 150	+12 170 Max.

Absolute Maximum (No Damage) Ratings

Ambient Operating Temperature -55 °C to +125 °C
 Storage Temperature -65 °C to +150 °C
 Case Temperature +125 °C
 DC Voltage +20 Volts
 Continuous RF Input Power +13 dBm
 Short Term RF Input Power 50 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.5 Watt (3 μsec Max.)

Note: Specifications are guaranteed when tested in a 50 Ohm system.
 Specifications indicated as typical are not guaranteed.

Typical Performance Data



Legend ——— +25 °C



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