

REMEC

Hybrid Amplifiers

Low Noise Figure

850 - 950 MHz

Electrical Specifications ⁽¹⁾:

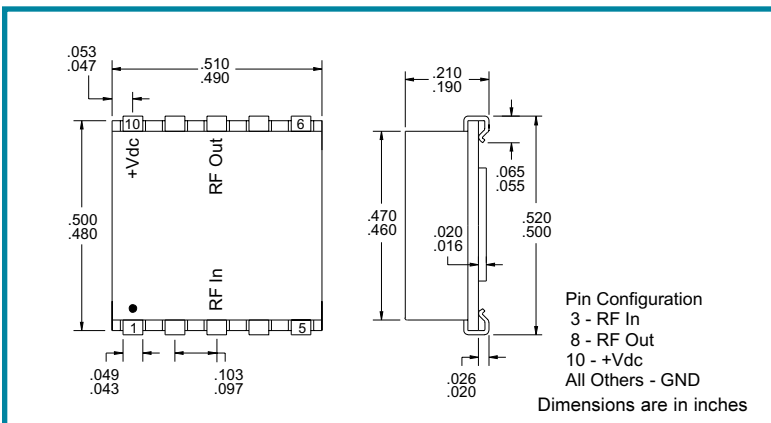
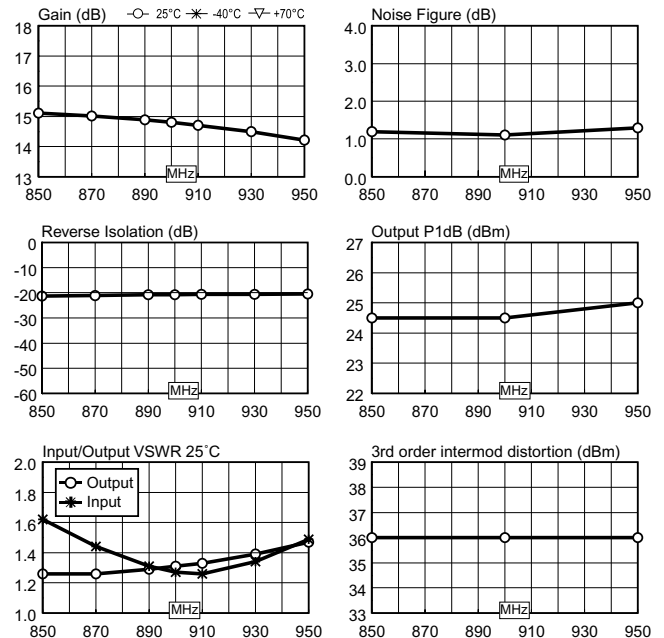
Parameter	Specification Limit		Units
Temperature	+25 (Typical)	-40 to +70	°C
Frequency Range	850 - 950		MHz
Small Signal Gain	14.5 min		dB
Gain vs. Temperature		+1.5 /	dB Max
Gain Flatness	1.0	1.5	dB Max p-p
Reverse Isolation	20	19	dB Min
VSWR Input	1.4:1	2.0:1	Max
Output	1.3:1	2.0:1	Max
1 dB Compression	+24.5	+23	dBm Min
Output Intercept Point			
3rd Order	+37	+34	dBm Min
2nd Order			dBm Min
Noise Figure	1.2	1.7	dB Max
DC Power @ 15 Vdc ± 1%	85	100	mA Max
Gain vs. Vdc			dB/Volt Max
Housing	Hybrid SM (E52-19422)		

QBH-8904

Absolute Maximum Ratings	
Power Supply Voltage	
Sustaining	.20.0 Vdc
Pulse (transient)	.20.0 Vdc
Temperature	
Operating	-.55 to +125°C
Storage	-.65 to +150°C
Max Input Drive	.2.0 VRMS

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

Typical S-Parameter Data									
S11		S21		S12		S22			
MHz	dB	Ang	dB	Ang	dB	Ang	dB	Ang	
850	-12.5	96.6	15.1	-14.5	-21.3	-44.8	-18.7	-85.2	
870	-14.9	78.1	15.0	-22.3	-21.0	-51.6	-18.7	-104.7	
890	-17.5	49.0	14.9	-30.3	-20.8	-58.4	-18.1	-123.7	
900	-18.4	28.2	14.8	-34.3	-20.7	-61.9	-17.5	-132.6	
910	-18.7	4.7	14.7	-38.3	-20.6	-65.1	-17.0	-141.1	
930	-16.9	-34.3	14.5	-46.2	-20.5	-72.1	-15.7	-156.5	
950	-14.2	-58.5	14.2	-54.2	-20.5	-78.7	-14.5	-170.3	



Specifications subject to change without notice.