

REMEC

Modular Amplifiers

High Dynamic Range

800 - 960 MHz

Electrical Specifications ⁽¹⁾:

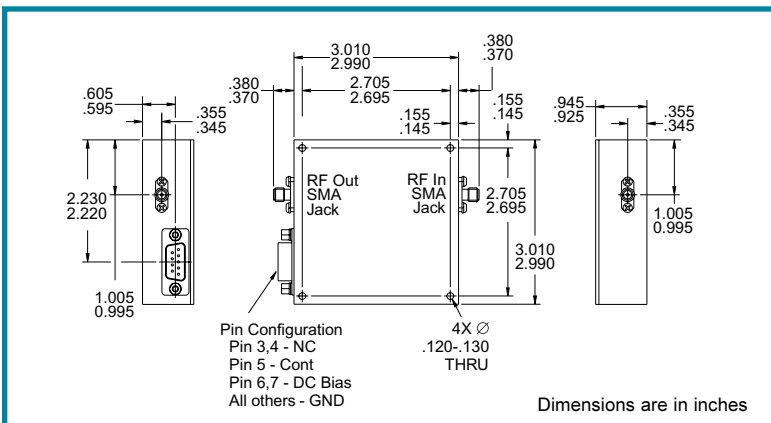
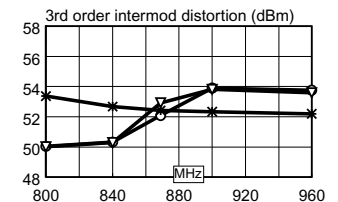
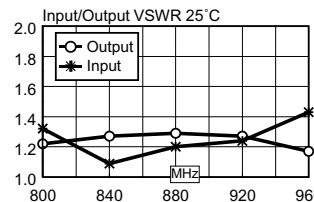
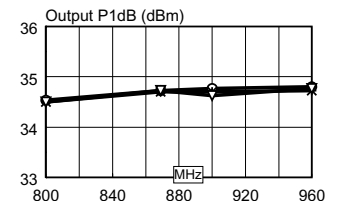
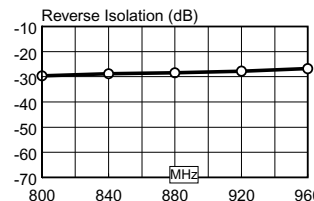
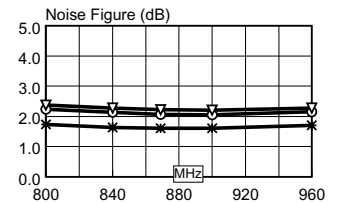
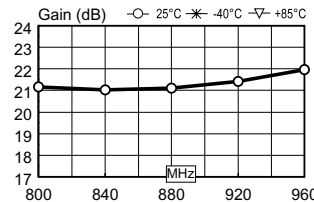
Parameter	Specification Limit		Units
Temperature	+25	-40 to +85	°C
Frequency Range	800 - 960		MHz
Small Signal Gain	21.5 ± 0.5		dB
Gain vs. Temperature		+0.5 / -0.2	dB Max
Gain Flatness	1.0	1.0	dB Max p-p
Reverse Isolation	24		dB Min
VSWR Input	1.5:1	1.5:1	Max
VSWR Output	1.5:1	1.5:1	Max
1 dB Compression	+33	+33	dBm Min
Output Intercept Point			
3rd Order	+50	+50	dBm Min
2nd Order			dBm Min
Noise Figure	2.5	3.0	dB Max
DC Power @ 14-28Vdc ±1%	790		mA Max
Gain vs. Vdc			dB/Volt Max
Housing	E52-19250		

QBS-158

Absolute Maximum Ratings	
Power Supply Voltage	
Sustaining	.28.0 Vdc
Pulse (transient)	.28.0 Vdc
Temperature	
Operating	-40 to +85°C
Storage	-55 to +125°C
Max Input Drive	.3.1 VRMS

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

Typical S-Parameter Data									
MHz	S11		S21		S12		S22		Ang
	dB	Ang	dB	Ang	dB	Ang	dB	Ang	
800	-17.1	12.0	21.2	79.7	-29.5	16.9	-20.1	14.1	
840	-27.0	-74.8	21.0	51.4	-28.8	-11.5	-18.6	4.0	
880	-20.9	179.8	21.1	21.9	-28.4	-40.8	-17.9	-12.7	
920	-19.5	158.2	21.4	-9.8	-27.7	-71.3	-18.5	-37.9	
960	-15.1	-159.8	22.0	-47.8	-26.7	-108.6	-22.2	-96.6	



Specifications subject to change without notice.