

Bi-Directional Amplifier ROJ-850A

SPECIFICATION AND TYPICAL TEST RESULTS FOR ROJ-850A

Product Name		Bi-Directional Amplifier	
Model Number		ROJ-850A	
PARAMETER	SPECIFICATION		TEST RESULT
Frequency	Uplink	825-845 MHz	OK
Range	Downlink	870-890 MHz	OK
Ripple in Band		± 1.5dB Typ	1.7dB
Gain	Uplink	70dB Min.	70dB
	Downlink	70dB Min.	70dB
Gain Adjust Range		31dB Min.	31dB
Gain Adjustment Step		1dB / Step	1dB / Step
Output Power	Uplink	17dBm Min.	17dBm
	Downlink	20dBm Min.	20dBm
IMD3	Uplink	-40dBm @ RBW=30KHz Max	-47
	Downlink	-40dBm @ RBW=30KHz Max	-48
Spurious Emissions	9KHz – 1GHz	-36dBm Max.	OK
	1 – 12.75 GHz	-30dBm Max.	OK
Noise Figure	Uplink	5dB Max	4.7dB
	Downlink	5dB Max	4.7dB
VSWR		1.5 Max	1.38 / 1.39
Input Impedance		50 ohm	OK
Time Delay		5uS Max	OK
Operating Temperature		-25 to + 55C	OK
Operating Humidity		95% Max	OK
Power Supply		110-240V (AC)	OK
Size		258x140x52mm	
Weight		2.5kg	

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