

SPECIFICATIONS

Electrical Specification			Uplink	Downlink
Frequency Range	700 MHz	(A&B)	698~716 MHz	728~746 MHz
		Upper (C)	776~787 MHz	746~757 MHz
	800 MHz		824~849 MHz	869~894 MHz
	1900 MHz		1850~1910 MHz	1930~1990 MHz
	1721 MHz		1710~1755 MHz	2110~2155 MHz
	Max Gain		≥15dB	≥15dB
Max Output Power			15±2dBm	0dBm
Band Width			Wide Band	
Automatic Level Control			≥15dB	
Intermodulation Products	9KHz~1GHz		≤ -20dBm	≤ -20dBm
	1GHz~12.75GHz		≤ -20dBm	≤ -20dBm
Spurious Emission	9KHz~1GHz		≤ -36dBm	
	1GHz~12.75GHz		≤ -30dBm	
Gain Flatness			CDMA & LTE & AWS ≤ 6dB / PCS ≤ 8dB	
Noise Figure			≤ 7dB	
VSWR			≤ 2	
Group Delay			≤ 1.0μs	
Frequency stability			≤ 0.01ppm	
OSCILLATION DETECTION	Detection time @1st		≤300mS	≤1000mS
	Restart time @ 2nd		≥60S	≥60S
	Restart times		≤5	≤5
LED Alarm			Standard	
Power LED			Power Indicator	
ALC LED (Uplink)			Orange @ ALC 1~5dB, Red @ ALC15dB~20dB	
Mechanical Specifications			Standard	
I/O Port			N-Female	
Impedance			50 ohm	
Operating Temperature			-25°C~+55°C	
Environment Conditions			IP40	
Dimensions			250 x 250 x 52mm / 9.8 x 9.8 x 2 Inches	
Weight			≤4.5Kg / 9.9 Lbs	
Power Supply			Input AC90~264V, Output DC12V / 5A	

FEATURES:

JDTECK's PA Series is a powerful pre-amplifier used in applications where the donor signal for a wireless repeater system is very weak and needs pre-amplification. It is designed to be installed between the donor antenna and the repeater (NOT AFTER) and will amplify a weak signal before it gets to the repeater. This will ensure the repeater operates at max output power. Attenuation adjustments on the repeater is then used to optimize the system. This pre-amp also has an alarm monitoring feature with LED indicators that alarms if up-link gain to the BTS is too high. This feature does not override the auto MUTE function of the repeater so both features work in unison to ensure the cellular network is protected while enhancing the performance of your system.

- 15dB Boost in Gain • Perfect for Weak Input Signals • N Female Connectors • Quad Band Frequency Support • 36 Months Warranty
- 30 Day Money Back Guarantee • LED Indicators for Each Frequency Band • Automatic Limit Control Feature for Uplink • Supports 90-240 Volts
- Alarm LED's for Error Detection • Carrier Grade Performance & Quality • Phone Tech Support That's Second to None and is Free!



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