

SPECIFICATIONS

Electrical Specification		Uplink	Downlink
Frequency Range	700 MHz	(A&B)	698~716 MHz
		Upper (C)	776~787 MHz
	800 MHz		746~757 MHz
	1900 MHz		869~894 MHz
	1721 MHz		1850~1910 MHz
Max. Gain	JDCR-LCPA-10	≥60dB	≥65dB
	JDCR-LCPA-17		
Max. Output Power	JDCR-LCPA-10	10±2dBm	10±2dBm
	JDCR-LCPA-17	12±2dBm	17±2dBm
Band Width		Wide Band	
Manual Gain Control		≥ 31dB	
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 ≤ 8dB / PCS ≤ 10dB	
Noise Figure		≤ 9dB	
VSWR		≤ 3	
Group Delay		≤ 1.0μs	
Frequency stability		≤ 0.01ppm	
Variable Gain		The UL gain automatically attenuates at the same dB level as the DL gain when the ALC is activated, however the DL gain does not change if UL automatically attenuates.	
Uplink Inactivity		Shuts down after ≥ 295S of the noise level ≥ -70dB	
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		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		≤ 5.0Kg / 11lbs	
Power Supply		Input AC90~264V, output DC12V / 5A	

FEATURES:

The JDCR- LCPA Series Cellular Repeater is a medium-powered, gain adjustable quad band repeater engineered for use in a residential DAS application needing to provide enhanced cellular coverage for voice and high-speed data. JDTECK's repeaters are built with carrier level optimization in mind, therefore only the highest quality components are used. These include low noise amplifiers with high linearity, properly specified and set output power limits and well-designed alarm/protection circuitry.

- Unlimited Call Capacity
- Industry Leading Quad Band Repeater
- 6.5dB Gain / 10-17dBm Output Power
- FCC Approved: SQX-JDCR-LCPA
- 36 Months Warranty
- 30 Day Money Back Guarantee
- MUTE - Auto Shut Down if oscillation is detected
- MGC: Manual Gain Control (UL & DL)
- Automatic Limit Control Feature
- Coverage Area - (3,000 - 18,000 sq ft)
- Supports 90-240 Volts
- Alarm LED's for Error Detection
- Supports Any Cellular Device (Voice & Data)
- AGC Feature
- Carrier Grade Performance & Quality
- Phone Tech Support That's Second to None and is Free!

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DIP SWITCH ADJUSTMENTS

