

SPECIFICATIONS

Electrical Specification		Uplink	Downlink
JDCR-7C/850-17		776~787 MHz	746~757 MHz
		824~849 MHz	869~894 MHz
JDCR-819-17		824~849 MHz	869~894 MHz
		1850~1910 MHz	1930~1990 MHz
JDCR-918-17		890~915 MHz	935~960 MHz
		1710~1785 MHz	1805~1880 MHz
JDCR-921-17		890~915 MHz	935~960 MHz
		1920~1980 MHz	2110~2170 MHz
Max Gain		≥ 63 dB	≥ 65dB
Gain Flatness	CDMA / GSM / LTE	≤ 5dB	
	PCS & DCS	≤ 10dB	
	WCDMA	≤ 5dB	
AGC Range		≥ 15dB	
Gain Control Range(MGC)		≥ 31dB in 1dB step	
Max Input Power		0dBm	
Output Power	≥ 12dBm	≥ 15dBm	
Inter-modulation	9KHz~1GHz≤~36dBm	9KHz~1GHz≤~20dBm	
	1GHz~12.75GHz≤~30dBm	1GHz~12.75GHz≤~20dBm	
Spurious Emission	9KHz~1GHz≤~36dBm / 1GHz~12.75GHz≤~30dBm		
Spurious Emission Mask	Complies with 3GPP TS 25.106		
Modulation Accuracy	Complies with 3GPP TS 25.106		
Peak Code Domain Error	Complies with 3GPP TS 25.106		
ACRR	≥ 30dB @ ± 5MHz & ± 10MHz		
Frequency Stability	≤ 0.01ppm		
Noise Figure	≤ 5dB		
Group Delay	≤ 0.5 micro Sec		
V.S.W.R	≤ 2		
Impedance	50Ω		
LED Alarm		Standard	
Power LED		Power Indicator	
ALC LED		Orange @ ALC 1~5dB, Red @ ALC 15dB~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-DB 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, 3G and 4G 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 Dual Band Repeater
- 65dB Gain / 17dBm Output Power
- FCC Approved
- 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 - (12,000 - 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!

DIP SWITCH ADJUSTMENTS

