

Data Sheet



Qua-Band Consumer Repeater

J2F-CDWL-20

Main features

- Two signal ports with full duplex design
- High system gain
- Linear power amplification to effectively suppress inter-modulation and spurious emission
- Automatic Gain Control (AGC) ensures output level stable and adjustable continuously
- Unique color LEDs to indicate power supply and statue and alarm
- Simple installation with external AC/DC adapter



Electrical data

		Uplink	Downlink
Frequency	Band 1 -WCDMA	1920~1980MHz	2110~2170MHz
	Band 3 LTE/DCS	1710~1785MHz	1805~1880MHz
	Band 5 LTE	824-849MHz	869~894 MHz
	Band 40 TD-LTE		2300~2400MHz
Maximum Working Bandwidth			60MHz
Output Power		13±2dBm	17±2dBm
Maximum Gain		60±3dBm	65±3dBm
AGC control		≧ 25dB	
Ripple in band		Pass Band Ripple p-p. ≧ 8 dB	
Noise figure		≧ 7.0dB	
VSWR		≧ 2.0	
EVM		≧ 12.5%	
Max. non-destructive input power		10dBm	10dBm

Environmental data

Operating temperature range	-10 °C to +40 °C
Storage temperature range	-40°C to +85°C
Relative humidity	5% - 85%
Ingress protection	Indoor(IP40)

Mechanical data

Dimensions(L*W*H)	340*270*120mm Reference
Weight	≤ 5.6 kg
Power supply	Input AC 220±20%V 50Hz±10%, output DC9V / 5A
Power consumption rating	≤ 45W
RF Connectors type	2 x N-Female