

# Dual band Duplexer 1800-2100 MHz indoor

Model : QUD-1022-VHUE

## Feature

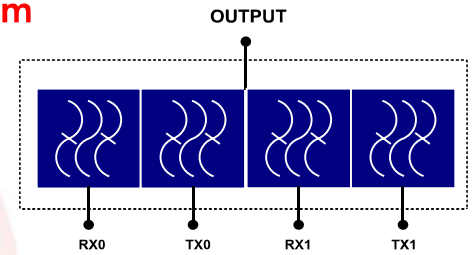
900MHz /2.1GHz dual band duplexer is an antenna duplexer that shares 2 frequencies of band 8 and band 1.



## Application

- Cellular indoor network
- Amplifier.
- Repeater.

## Block diagram



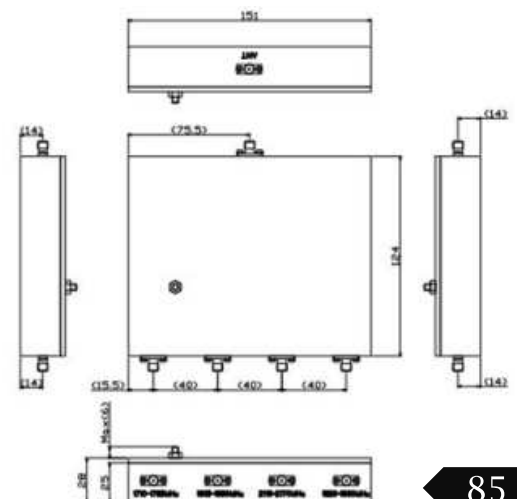
## Electrical characteristics

Band	1800MHz		2100MHz	
	TX0	RX0	TX1	RX1
Frequency	1805-1880MHz	1710-1785MHz	2100-2170MHz	1920-1980MHz
Insertion Loss	≤ 1.0dB max	≤ 0.9dB	≤ 0.5dB	≤ 0.8dB
V.S.W.R	≤ 1.3 max.			
Attenuation 1	N/A	N/A	N/A	N/A
Isolation Rx-Tx	1710-1785MHz 60dB	1805-1880MHz 60dB	1710-1880MHz 60dB	1710-1880MHz 60dB
	1920-2170MHz 60dB	1920-2170MHz 60dB	1920-1980MHz 60dB	2110-2170MHz 60dB
Impedance	50Ω			
Average Maximum Power	CW 40W Max	CW 1W Max	CW40W Max	CW 1W Max

## Mechanical characteristics

Dimensions	151×124×34 mm mm (Height x Width x Depth)
Weight	≤ 0.8 kg Max
Connector	All ports SMA-Female
Number of Port	Input: 4 ports, Output: Antenna 1 port
Bracket	Brackets or with housing Machined for each edges.

## Drawing



## Environmental characteristics

Operating Temperature	-10 to +50°C
Storage Temperature	-20 to +60°C
Relative Humidity	0~95% ~ + 35°C
RoHS Applicant	Complied