

Dual band Duplexer 850-1800 MHz indoor

Model : QUD-1018-VEVH

Feature

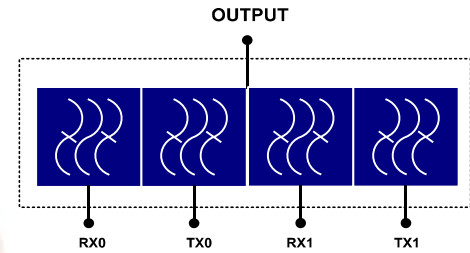
850MHz /1.8GHz dual band duplexer is an antenna duplexer that shares 2 frequencies of band 5 and band 3.



Application

- Cellular indoor network
- Amplifier.
- Repeater.

Block diagram



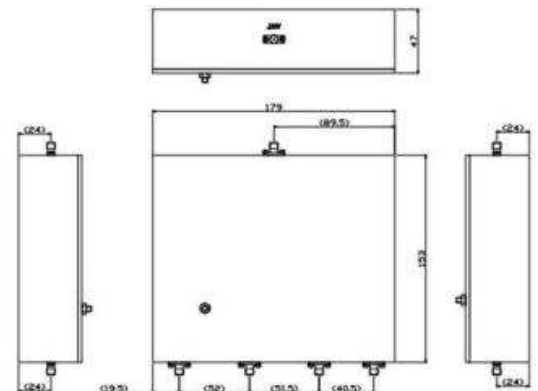
Electrical characteristics

| Band | 850MHz | | 1800MHz | |
|-----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | TX0 | RX0 | TX1 | RX1 |
| Frequency | 860-880MHz | 824-849MHz | 1805-1880MHz | 1710-1785MHz |
| Insertion Loss | ≤ 1.6dB max | ≤ 1.0dB | ≤ 1.2dB | ≤ 1.0dB |
| V.S.W.R | ≤ 1.3 max. | | | |
| Attenuation 1 | 50dB @885MHz | N/A | N/A | 50dB @885MHz |
| Isolation Rx-Tx | 824-849MHz 60dB 1710-1880MHz | 860-885MHz 60dB 1710-1880MHz | 824-885MHz 60dB 1710-1785MHz | 824-885MHz 60dB 1805-1880MHz |
| Impedance | 50Ω | | | |
| Average Maximum Power | CW 40W Max | CW 1W Max | CW40W Max | CW 1W Max |

Mechanical characteristics

| | |
|----------------|---|
| Dimensions | 153×179×53 mm (Height x Width x Depth) |
| Weight | ≤ 1.8 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 |