

Single band Duplexer 850 MHz indoor

Model : DUP-1090-VE

Feature

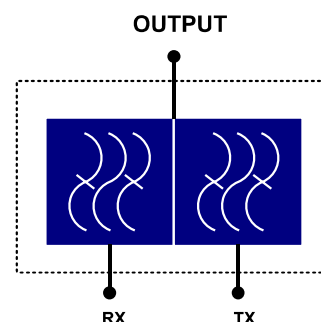
850MHz duplexer is an antenna duplexer that separated TX and RX



Application

- Cellular indoor network.
- Amplifier
- Repeater
- Small Cell

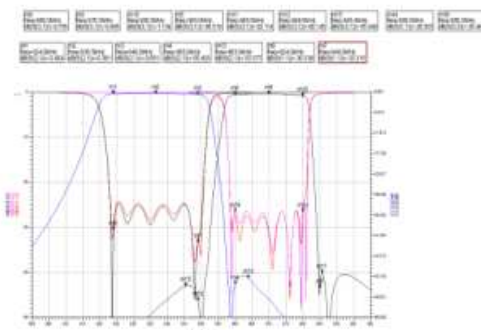
Block diagram



Electrical characteristics

| | Port 1 | Port 2 |
|----------------------------------|-----------------|-------------|
| Frequency Band | 824-849MHz | 860-880MHz |
| Insertion Loss | ≤ 0.8dB max | ≤ 1.3dB max |
| V.S.W.R | ≤ 1.3 max. | |
| Isolation (Between port 1 and 2) | ≥ 50dB min | |
| Attenuation | 50dB at 885 MHz | |
| Impedance | 50Ω | |
| Average Maximum Power | CW 80W Max | |

Simulation



Mechanical characteristics

| | |
|----------------|--|
| Dimensions | 186×160×51 mm (Height x Width x Depth) |
| Weight | ≤ 500g Max |
| Connector | SMA female input and output ports |
| Number of Port | Input: 2 ports, Output: 1 port |
| Mounting type | Non |
| Bracket | Bracket embedded |
| Finish | Black paint |

Environmental characteristics

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

Drawing

