



**900 Mhz Band
Duplexer
[896-902/935-941 MHz]**

DESCRIPTION:

Bi-directional signal flow over one path to separate the uplink and downlink paths to DAS system or BTS

| Electrical Specifications | | |
|---|-------------------|---------------------|
| Frequency Range (MHz) | Uplink 896-902 | Downlink 935-941 |
| Passband Ripple (dB) | ≤ 1.5 | |
| Return Loss (dB) | ≥ 20 | |
| Insertion Loss (dB) all bands | ≤ 2 | |
| Isolation (dB) Between ports | ≥ 80 | |
| Out of Band Rejection (db) at 4 MHz from edge | ≥ 40 | |
| VSWR | ≤ 1.4:1 | |
| Intermodulation dBc (2x43 dBm carrier) | ≤ -155 | |
| Impedance (Ω) | 50 | |
| Maximum input power (W) | 100 | |
| Peak Power (kW) | 1.5 | |

| Mechanical Specifications | |
|---------------------------------|--|
| Connector | 4.3/10 Female |
| Size in (mm) | 9.19 x 5.19 x 2 (233.4 x 131.76 x 51) |
| Environmental | IP67 |
| Weight - lb (kg) | 4 (1.81) |
| Material | Aluminum |
| Finish | Tarnish and corrosion resistant Silver Paint |
| Operating temperature - °F (°C) | -30 to 75° C |