

## 800 MHz Public Safety Band Duplexer [806-824/851-869 MHz]

### DESCRIPTION:

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



### Electrical Specifications

	Uplink 806-824	Downlink 851-869
Frequency Range (MHz)	806-824	851-869
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

