

## MODEL PCS/43F



### PCS Mhz Band - Full Band Duplexer [1850-1915/1930-1995 MHz]

#### DESCRIPTION:

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

#### OPTIONS:

Single Band duplexers are also available;

- PCS/A - A Band
- PCS/B - B Band
- PCS/C - C Band
- PCS/D - D Band
- PCS/E - E Band
- PCS/F - F Band
- PCS/G - G Band
- PCS/AG - A & G Bands
- PCS/BG - B & G Bands

#### Electrical Specifications

	Uplink 1850-1915	Downlink 1930-1995
Frequency Range (MHz)	1850-1915	1930-1995
Passband Ripple (dB)	≤ 1.8	
Return Loss (dB)	≥ 20	
Insertion Loss (dB) all bands	≤ 2.5	
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)	13.38 X 8.70 X 1.42 (340 X 221 X 36)
Environmental	IP67
Weight - lb (kg)	5.2 (2.35)
Material	Aluminum
Finish	Tarnish and corison resistant Silver Paint
Operating temperature - °F (°C)	-30 to 75° C

