

# Duplexer / Cellular 850 & PCS 1900

## General Information

Duplexers allow for bi-directional communication over a single path and separate uplink/downlink to the DAS interface system and fiber DAS head end.

## Model Numbers

- 415-1541-002 (Cellular 850)
- 415-1532-003 (PCS 1900)

## Frequency Range

- 824-849; 869-894 MHz (Cellular 850)
- 1850-1910; 1930-1990 MHz (PCS 1900)

## Electrical Specifications

Frequency Range	Cellular 850	PCS 1900
Band-width, 1 dB	25 MHz MIN	60 MHz MIN
Band-width, 3 dB	31 MHz MIN	-
Passband Ripple	1 dB	≤1.6 dB
VSWR	1.33:1	1.33:1
Attenuation	90 dB	90 dB
Isolation	90 dB, 850-900 MHz	90 dB, 1850-1990 MHz
Impedance	50 Ohms	50 Ohms
Power Rating	50 Watts Max	50 Watts Max
Insertion Loss	1.2 dB	≤2.4 dB



Cellular and PCS Duplexers

## Mechanical Specifications

Connectors	N-Female
Finish	Tarnish & corrosion resistant paint coating
Operating Temperature	-20° C to +50° C
Weight	2.4 lbs
Dimensions	
Cellular	4.77 x 4.77 x 1.73 in
PCS	6.83 x 4.18 x 1.59 in

