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)



| 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 PCS | 4.77 x 4.77 x 1.73 in 6.83 x 4.18 x 1.59 in | |



Copyright © 2015 by Westell, Inc. All Rights Reserved. Westell, ClearLink, Kentrox, and Optima Management System are registered trademarks of Westell, Inc. All other names are trademarks of their respective owners. Information is correct at time of printing and is subject to change without notice. Westell, Inc. is an Equal Opportunity/Affirmative Action employer.