

Westell Cross Band Couplers | Public Safety VHF-UHF



General Description

Westell Cross Band Couplers provide for the combining of multiple frequency bands on shared cables and multi-band antennas.

This coupler is the perfect complement to a multi-band DAS solution combining multiple BDAs into a single passive DAS infrastructure.

Product Highlights

- Wide operating bandwidth
- Low Insertion Loss
- IP67 rated to handle direct water spray

Frequency Ranges

CS06-770-846

- Port 1: 150-512 MHz
- Port 2: 758-940 MHz

CS06-771-847

- Port 1: 150-174 MHz
- Port 2: 403-512 MHz

Electrical Specifications

| | |
|------------------------|---|
| VSWR | ≤1.4:1 |
| Input/Output Impedance | 50 Ohm |
| Power Rating | 20W Avg; 500W Peak |
| Insertion Loss | CS06-770-846: 0.5 dB @ 150-512 MHz 0.8 dB @ 758-940 MHz |
| | CS06-771-847: 0.5 dB @ 150-174 MHz 0.5 dB @ 403-512 MHz |



Cross Band Couplers VHF-UHF

Ordering Information

| Part Number | Description |
|--------------|--------------------------|
| CS06-770-846 | CBC-150-512/758-940/N(F) |
| CS06-771-847 | CBC-150-174/403-512/N(F) |

Mechanical Specifications

| | |
|-----------------------|--|
| Case Material | Aluminum |
| Installation Kits | Stainless Steel |
| Connectors | N-Female |
| Weather resistance | IP67 |
| Color | Red 200C |
| Weight | 3 lbs |
| Dimensions | 2.72"x2.32"x1.02" (not incl. mntg hdwre) |
| Operating temperature | -20° C to +60° C |
| Storage Temperature | -40° C to +85° C |
| Relative Humidity | 5% - 95% |

Block Diagrams

