

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

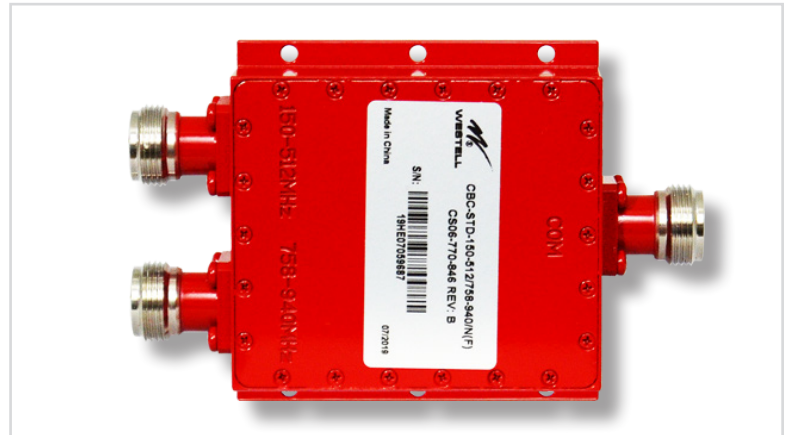
- Port 1: 150-512 MHz
- Port 2: 758-940 MHz

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

