Westell Cross Band Coupler | Public Safety 700 & 800 MHz



Includes FirstNet

General Description

Westell Cross Band Couplers provide for the combining of multiple frequency bands on shared cables and multi-band antennas or the splitting of 2 frequency bands to inject into a DAS head-end.

This cross band coupler separates and joins the 700Mhz public safety band (including FirstNet) with the 800Mhz public safety band.

Product Highlights

- VSWR ≤1.43:1
- IP67 rated to withstand a direct water spray
- Power Rating 50 Watts Avg.

Frequency Range

- Port 1: UL 788-805/DL 758-775 MHz (FirstNet)
- Port 2: UL 806-824/DL 851-869 MHz

Electrical Specifications

Frequency Range	Port 1: UL 788-805/DL 758-775
	Port 2: UL 806-824/DL 851-869
VSWR	≤1.43:1
PIM (2x43dBm)	≤-153 dBc
Input/Output Impedance	50 Ohm
Power Rating	50 Watts Avg.
Insertion Loss	758-775 > 0.3dB
	788-805 > 2.7dB max, 0.5 typ
	806-824 > 2.7dB max, 0.5 typ
	851-869 > 0.3dB



Cross Band Coupler PS700/800

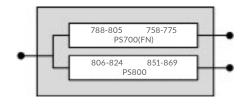
Ordering Information

Part Number	Description
CS06-764-838	CBC-PS7(FN)/PS8/N(f)

Mechanical Specifications

Case Material	Aluminum
Installation Kits	Stainless Steel
Connectors	N-Female
Weather resistance	IP67
Color	Red 200C
Weight	3 lbs
Dimensions (WxHxD)	7.5"x5.8"x2.2" (excludes mounting hardware)
Operating temperature	-20° C to +60 ° C
Storage Temperature	-40° C to +85 ° C
Relative Humidity	5% - 95%
Mounting Hardware	Pole/Wall mounting hardware included

Block Diagram





Copyright © 2020 by Westell, Inc. All Rights Reserved. Westell[®], ClearLink[®], Kentrox[®], and Optima Management System[®] are 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.

WESTELL.COM

IBW-CS06-764-838_CBC_700-800PS-DS-040620