

*Features:*

400 MHz and 800 MHz bands

Integrated combiner for multiple channels

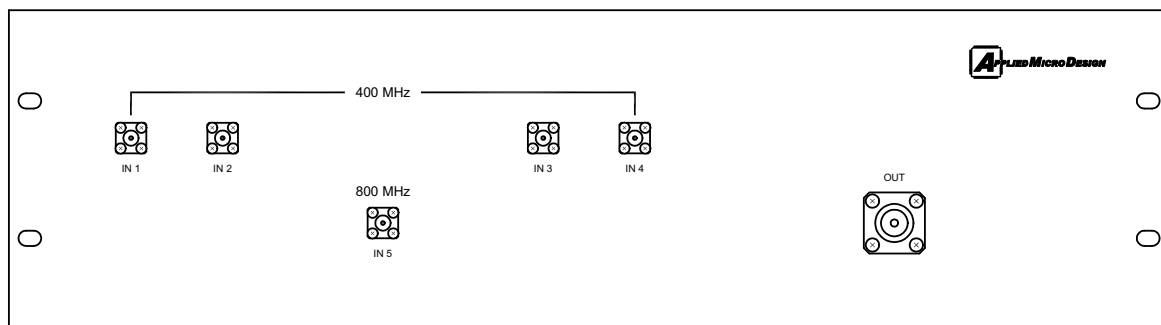
High isolation between ports



The 1465CC is a Cross Band Coupler (CBC) and Combiner in one chassis; it is designed for DAS (Distributed Antenna System) applications. The low-insertion loss CBC combines signals from two paths; 400 MHz and 800 MHz bands. The 400 MHz band path has a combiner prior to the CBC for multi-channel combining of multi-carrier signals.



rev 1 2014



The Model Number for the Cross-Band Coupler with one Combiner has the format:

## 1465CCS-C-FFF

where C is the number of Combiner inputs  
FFF is the Combiner frequency band (400 MHz or 800 MHz)

For example, Model 1465CCS-4-400 is a Cross-Band Coupler with a 4X1 Combiner in front of the 400 MHz coupler input.

The Model Number for the Cross-Band Coupler with two Combiners has the format:

## 1465CCD-C<sub>1</sub>-400-C<sub>2</sub>-800

where C<sub>1</sub> is the number of Combiner 1 inputs  
400 is the frequency band of Combiner 1 (400 MHz)  
C<sub>2</sub> is the number of Channel 2 Combiner inputs  
800 is the frequency band of Combiner 2 (800 MHz)

For example, Model 1465CCD-4-400-4-800 is a Cross-Band Coupler with a 4X1 Combiner in front of the 400 MHz coupler input and a 4X1 combiner in front of the 800 MHz coupler input.

### Specifications

Frequency:	453 - 488 MHz; 851 - 854 MHz
Input Power:	40 dBm (10W) each port maximum
Insertion Loss:	< 2 dB
Isolation:	40 dB minimum between ports
Impedance:	50 Ohms
Operating Temp:	-30 to +60 °C
Input Connectors:	SMA female
Output Connector:	N-type female
Size:	19" x 5.22" x 12"