

Features:

400 MHz and 800 MHz bands

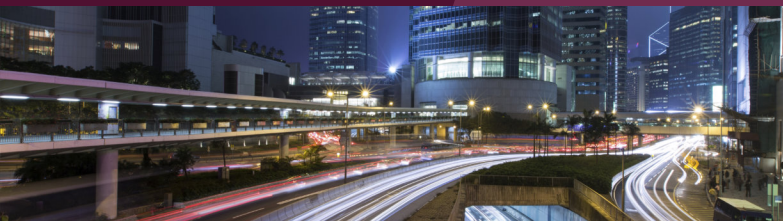
Integrated LNA and Splitter for multiple channels

High isolation between ports

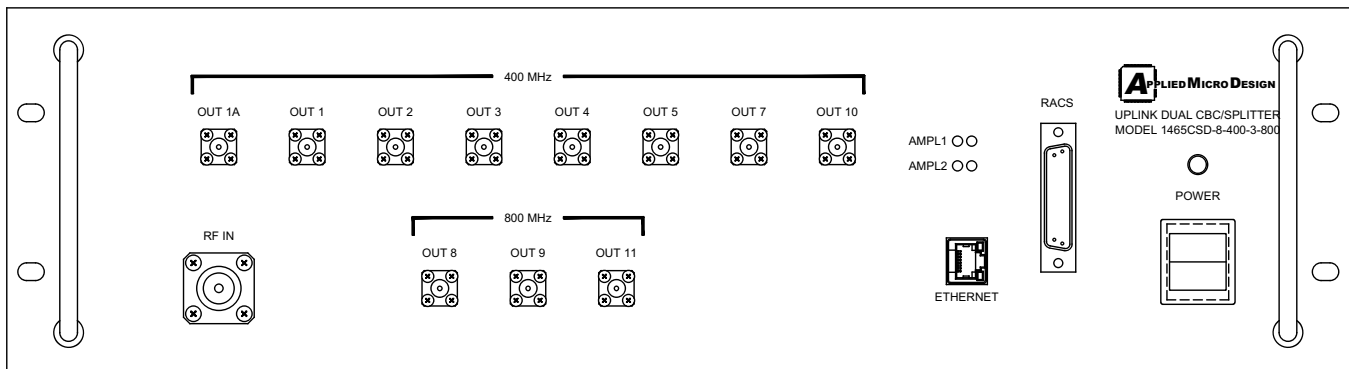


The 1465CS is a Cross Band Coupler and Splitter housed in one chassis; it is designed for DAS (Distributed Antenna System) applications. The CBC/Splitter separates signals from the 400 MHz and 800 MHz bands into two paths. Each path has a splitter for multi-channel distribution of multi-carrier signals for downstream processing.

A Low-Noise Amplifier (LNA) in front of each splitter provides improved signal-to-noise ratio (SNR) at the splitter outputs. The LNAs are tied to a processor board that functions as a current monitor. The processor board provides status via front-panel LEDs and also features a remote monitoring capability via Ethernet. A computer running the Graphical User Interface (GUI) can display the status of the amplifiers.



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

1465CSS-S-FFF

where S is the number of Splitter outputs
FFF is the Splitter frequency band (400 MHz or 800 MHz)

For example, Model 1465CSS-8-400 is a Cross-Band Coupler with a 1X8 Splitter after the 400 MHz coupler output.

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

1465CSD-S₁-400-S₂-800

where S₁ is the number of Splitter 1 inputs
400 is the frequency band of Combiner 1 (400 MHz)
S₂ is the number of Splitter 2 Combiner inputs
800 is the frequency band of Combiner 2 (800 MHz)

For example, Model 1465CSD-8-400-3-800 is a Cross-Band Coupler with a 1X8 Splitter after the 400 MHz coupler output and a 1X3 Splitter after the 800 MHz coupler output.

Specifications	
Frequency:	458 - 488 MHz; 806 - 809 MHz
Input Power:	40 dBm (10W) maximum
Gain:	10 dB
Noise Figure:	< 2 dB
Isolation:	60 dB minimum between ports
Impedance:	50 Ohms
Input Connector:	N-type female
Output Connector:	SMA female
Power Supply:	110V AC
Current:	< 1 A
Operating Temp:	-30 to +60 °C
Size:	19" x 5.22" x 16"

