

## Indoor Drop Splitter, 2-Way, 1.2 GHz CX-SP-2W-12G

# SPECIFICATIONS



### FEATURES AND BENEFITS

- Excellent performance in the expanded return path range of DOCSIS 3.1
- Expanded bandwidth in the downstream to allow for the higher data rates provided by DOCSIS 3.1 Superior intermodulation distortion and second harmonic performance
- Excellent return loss and port-to-port isolation in the return band
- Soldered back plate for excellent RFI performance 6 kV surge withstand, excellent second order harmonics performance after 10 surges to each port per IEEE C62.41-1991 Category A3
- -45 dBmV spurious signals and second harmonics with a +55 dBmV input carrier
- Tin plating provides superior defense against long-term corrosion
- Weather-sealed F ports prevent moisture migration
- Machine threaded, flat-faced F ports for improved ground plane contact
- Conforms to all applicable SCTE standards

### GENERAL SPECIFICATION

Nominal Impedance  
Flatness (Tap & Out)  
RFI  
Surge Withstand  
Spurious Signals Including Second  
Blocking Capacitors Operating  
Temperature Regulatory  
Compliance

75 Ohms  $\pm$  0.5 dB -120 dB IEEE C62.41-1991 Category A3 (6000 V, 200 Amp, 0.5  $\mu$ s-100 kHz Ring Wave) -45 dBmV, after 10 surges of A3 6 kv on each port Harmonics with a +55 dBmV return input carrier All ports -40 to +60° C (-40 to +140° F) CE

Insertion Loss Max (-dB)	TYP	Out-to-Out Isolation Min (-dB)	TYP
5 to 10 MHz	3.5	5 to 10 MHz	30
10 to 65 MHz	3.5	10 to 65 MHz	36
65 to 470 MHz	3.6	65 to 470 MHz	30
470 to 862 MHz	3.8	470 to 862 MHz	28
862 to 1006 MHz	3.9	862 to 1006 MHz	26
1006 to 1200 MHz	4.2	1006 to 1200 MHz	23
Input Return Loss Min (-dB)	TYP	Output Return Loss Min (-dB)	TYP
5 to 10 MHz	22	5 to 10 MHz	22
10 to 65 MHz	25	10 to 65 MHz	25
65 to 1006 MHz	22	65 to 1006 MHz	22
1006 to 1200 MHz	22	1006 to 1200 MHz	22