

PRODUCT DATA SHEET

C5510

Non-Isolated Uneven Splitters (Taps): Utilized to un-evenly split a single run of 50 Ohm coaxial cable, hosting multiple frequency bands, so that a shorter corridor, tunnel, shaft, or hallway is provided a lesser portion of power on the main coaxial run than that required by a longer run. Non-Isolated Uneven Splitters are Bi-Directional, and unlike Directional Couplers, all ports can communicate with one another.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 140 - 512 MHz
Power: 100 W CW
Coupling: 10 ± 1.0 dB Max.
Insertion Loss: 0.75 dB Max.
Flatness: ± 1.0 dB Max.
VSWR (ML): 1.30:1 Max.

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: Chem. Film Per MIL-DTL-5541F
Type I Class 3 (Yellow Iridite)
RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Humidity: 95% Non-Condensing
Size: 2.5 x 1.75 x 1.5"
Weight: 7 ounces

Port Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C5510-10	N Female	N Female	N Female
C5510-12	N Female	N Female	SMA
C5510-102	SMA	SMA	SMA

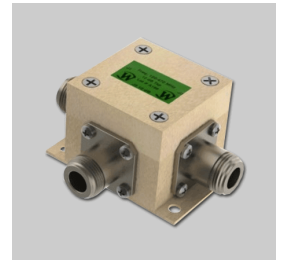
Werlatone® Broadband Non-Isolated Uneven Splitters (Taps) are designed to tolerate the most stringent operating conditions associated with Distributive Antenna Systems (DAS).



WERLATONE

Model C5510

Connectorized Directional Couplers

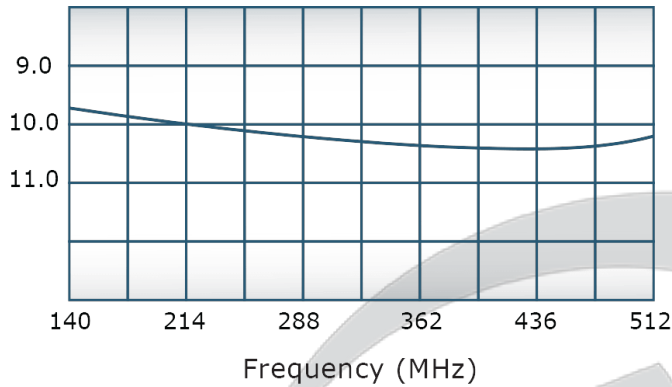


PRODUCT DATA SHEET

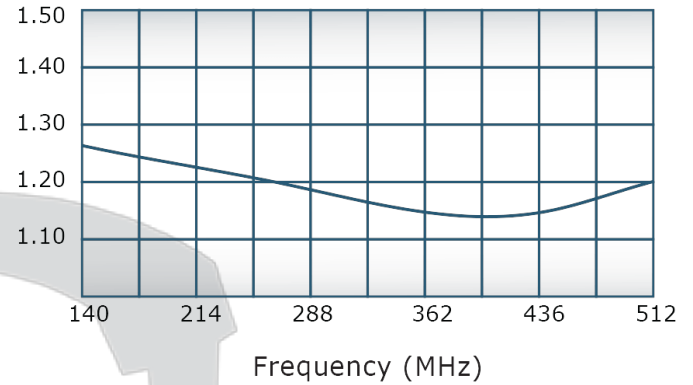
C5510

Performance Data (Specifications subject to change without notice):

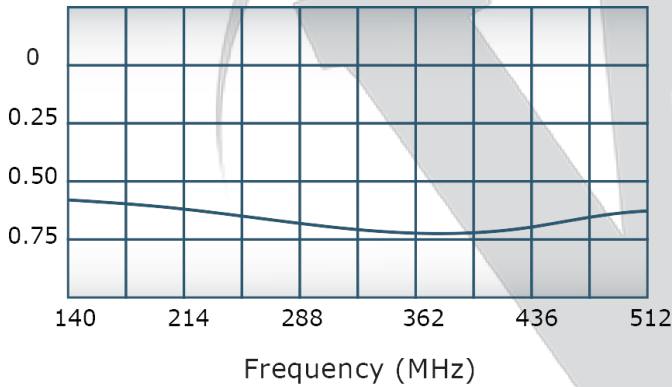
Coupling:



VSWR:



Insertion Loss:



For In-Building Applications



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
This document contains proprietary information which is the sole property of Werlatone, Inc.

4 3 2 1

DATE 4/4/11 REV - REVISION RECORD INITIAL RELEASE AUTH AK CHK BW APPV BW

2.50 2.123 1.250 1.75 .88 .250 .188 .88 1.75 1.50 10dB .56

J1 J2 J3 10dB

MTG. .190 DIA. (4X)

UNLESS OTHERWISE SPECIFIED
* INTERPRET DRAWING IAW MIL-STD-100
* DIMENSIONING PER ASME Y14.5M-2009
* PARENTHESES FOR REF. ONLY
* DIMENSIONS ARE IN INCHES
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
* TOLERANCES: ANGLES ± 2° .XXX ± .005 .XX ± .01
* HOLE TOLERANCES ± .001-.001
* REMOVE ALL BURRS AND SHARP EDGES .01 R MAX
* CONCENTRICITY MACHINED DIA. .002 F34
* MACHINE TOOL HATCH .003 MAX
THIRD ANGLE PROJECTION

OWN AK DATE 4/4/2011
CHK BW DATE 4/4/2011
ENGR BW DATE 4/4/2011
PRGR DATE
QA DATE
RLSE DATE

DATE 4/4/2011
DATE 4/4/2011
DATE 4/4/2011
DATE
DATE
DATE

WERLATONE | SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE
OUTLINE
USED ON

SIZE A CAGE CODE 28812 DWG NO 10174 - 501
SCALE 1:1

REV -

SHEET 1 OF 1