
**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.

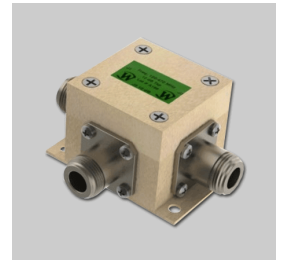
**Mechanical Specifications:**

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).

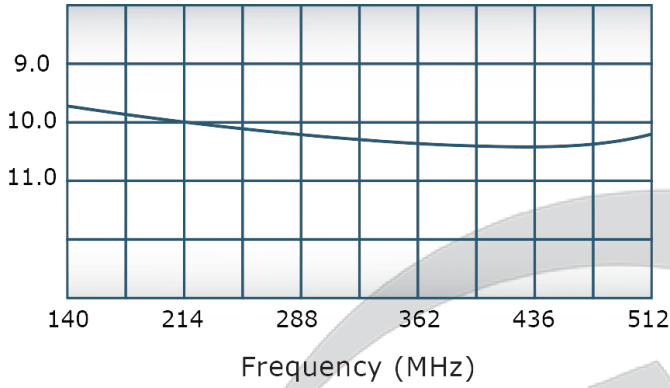


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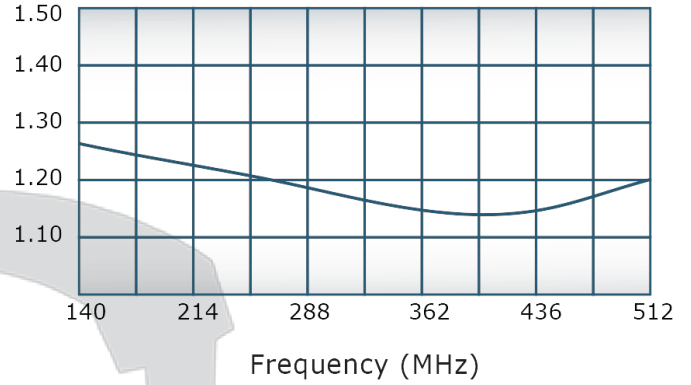
C5510

**Performance Data (Specifications subject to change without notice):**

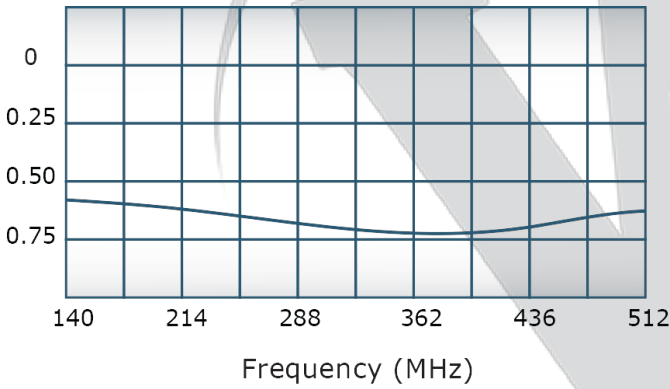
Coupling:



VSWR:



Insertion Loss:



For In-Building Applications



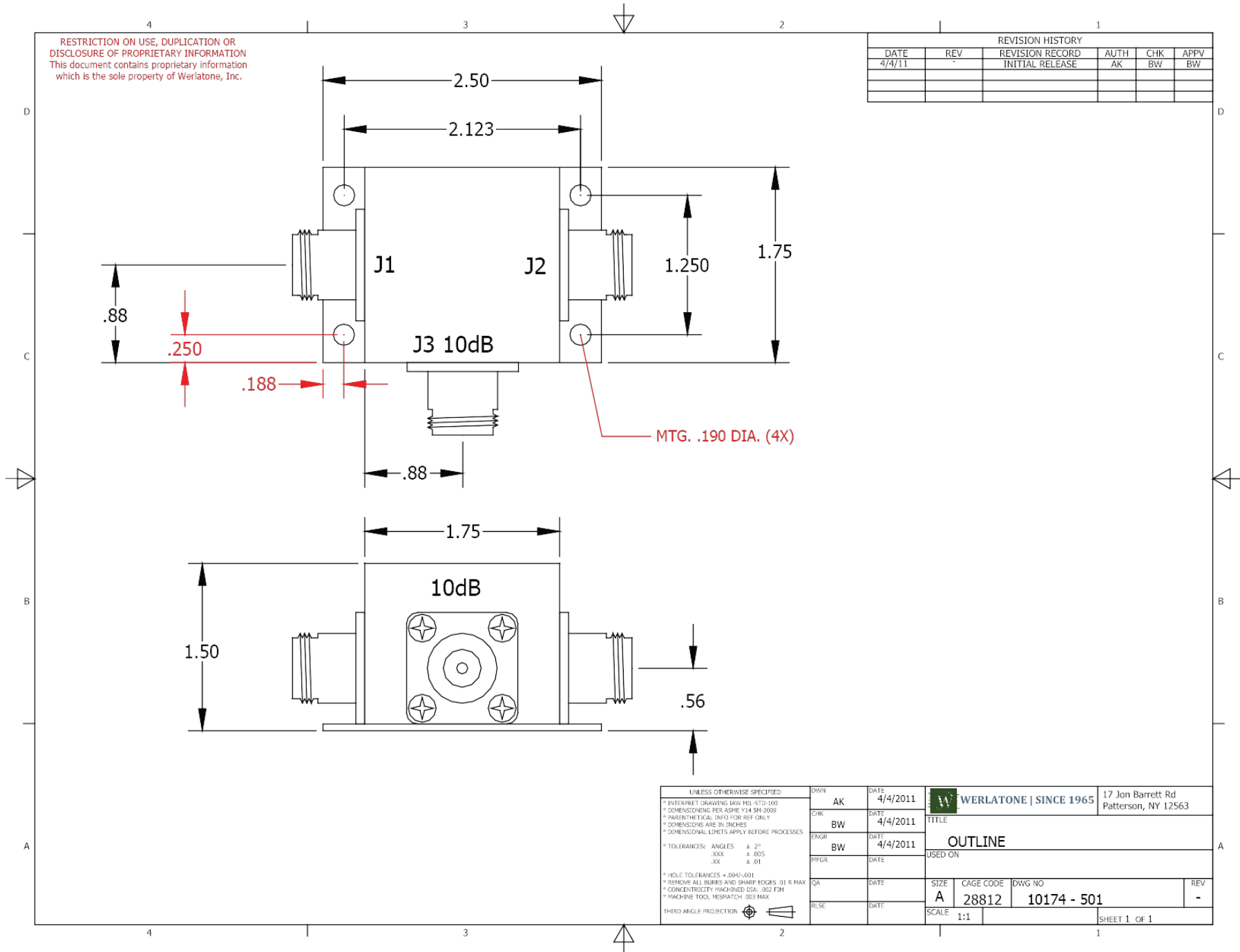
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Werlatone, Inc.

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



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE   SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING (AW MIL-STD-100)		AK	4/4/2011	TITLE		USED ON	
* DIMENSIONING PER ASME Y14.5M-2009		CHK	4/4/2011				
* PARENT THE TYPICAL INFO FOR REF ONLY		BW	4/4/2011	OUTLINE			
* DIMENSIONS ARE IN INCHES		ENGR	4/4/2011				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	4/4/2011	DWG NO		REV	
* TOLERANCES: ANGLES ± 2°		PPGR	DATE				
.XXX ± .005		QA	DATE	SIZE	CAGE CODE	10174 - 501	-
.XX ± .01		RLSC	DATE	A	28812		
* HOLE TOLERANCES ± .004/- .001				SCALE	1:1	SHEET 1 OF 1	
* REMOVE ALL BURRS AND SHARP EDGES .01 R MAX							
* CONCENTRICITY MACHINED DIA: .002 FIM							
* MACHINE TOOL MESHATCH .003 MAX							
THIRD ANGLE PROJECTION							

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