
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.

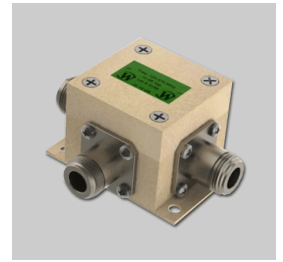
Mechanical Specifications:

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).

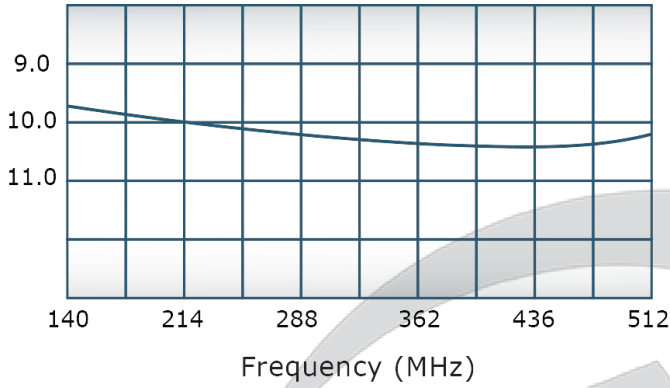


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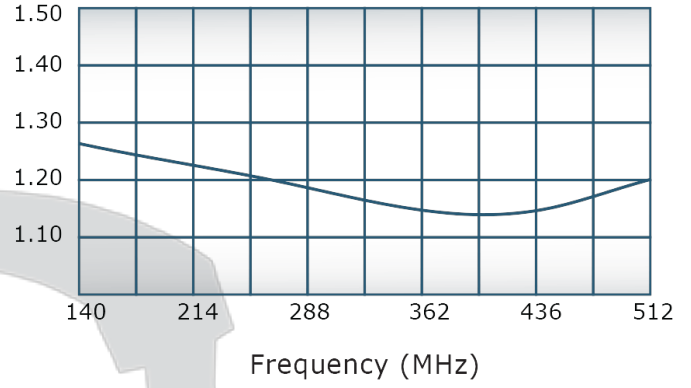
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Performance Data (Specifications subject to change without notice):

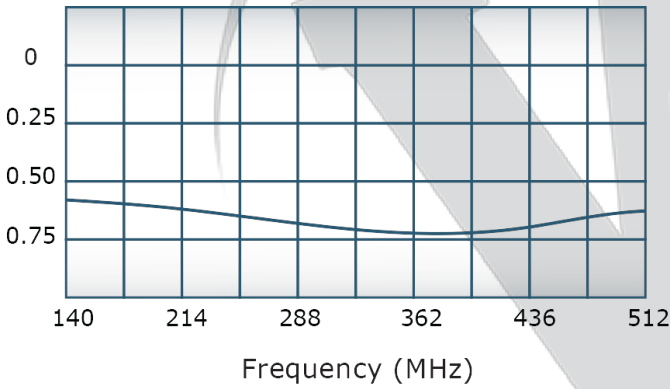
Coupling:



VSWR:



Insertion Loss:



For In-Building Applications



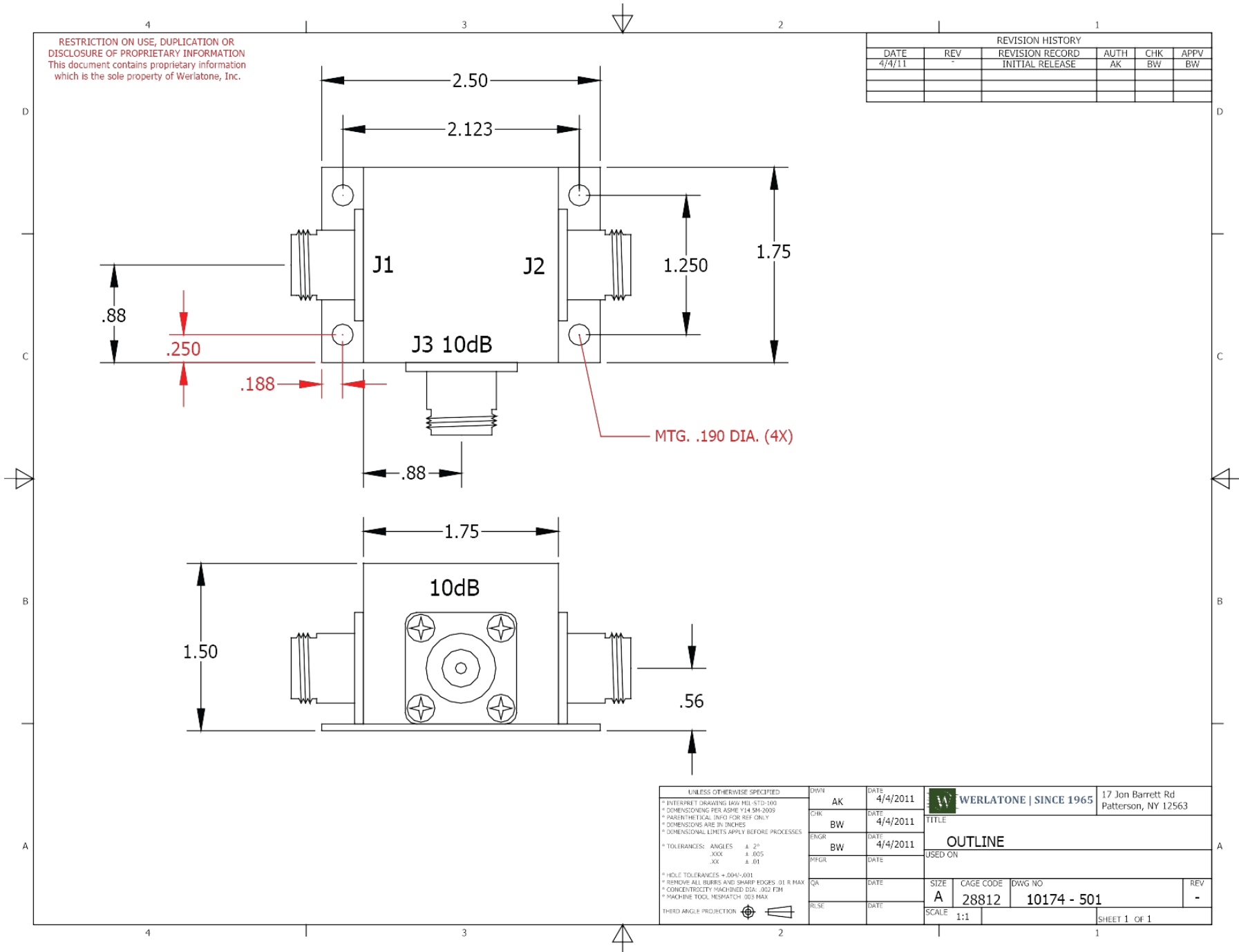
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Werlatone, Inc.

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

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