



PRODUCT DATA SHEET

C9534

3-Port Uni-Directional Coupler: Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency:	100 - 1000 MHz
Power:	350 W CW
Coupling:	6 ± 1.0 dB Max.
Insertion Loss:	0.4 dB Max.
Flatness:	± 1.0 dB Max.
VSWR (ML):	1.30:1 Max.
Directivity:	17 dB Min.

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:	6.75 x 3.0 x 1.2"

Port Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C9534-10	N Female	N Female	N Female
C9534-12	N Female	N Female	SMA
C9534-102	SMA	SMA	SMA

Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

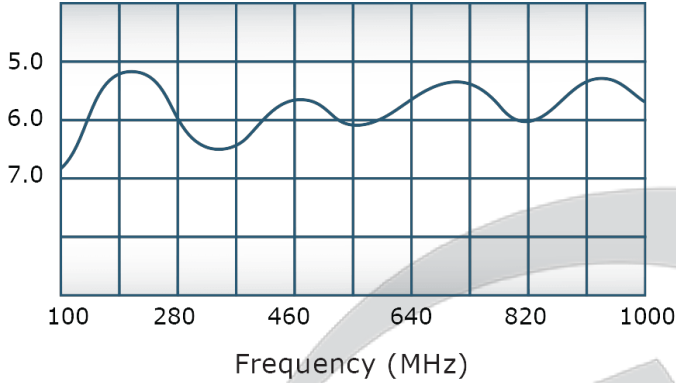
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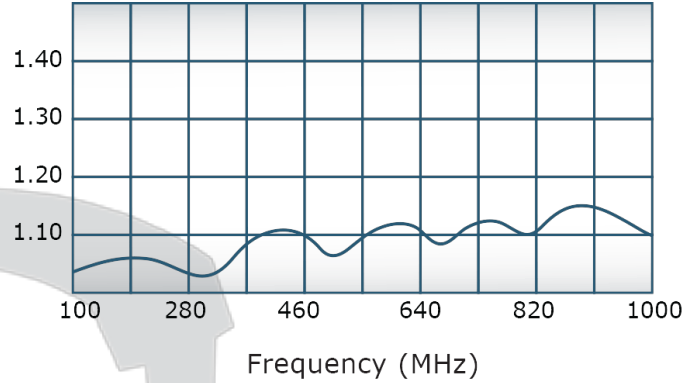


Performance Data (Specifications subject to change without notice):

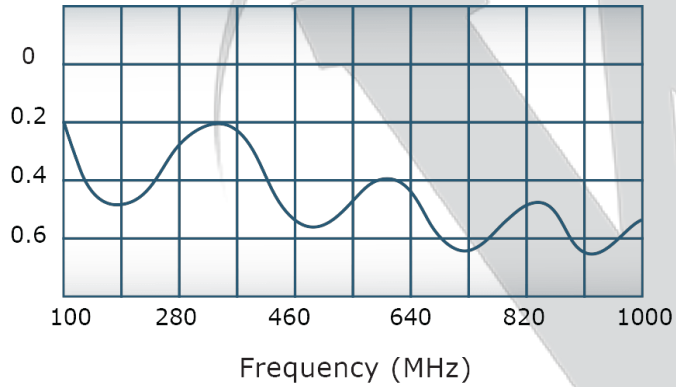
Coupling:



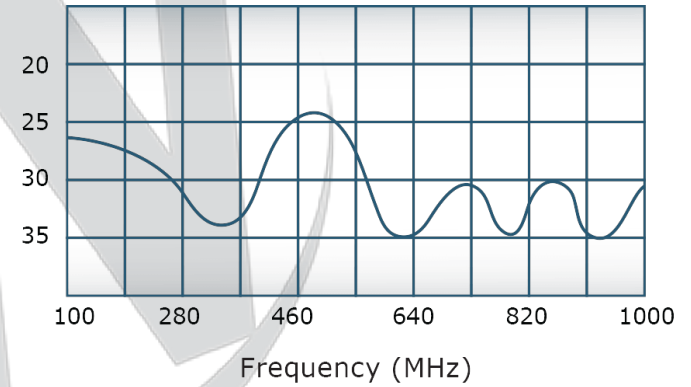
VSWR:



Insertion Loss:



Directivity:

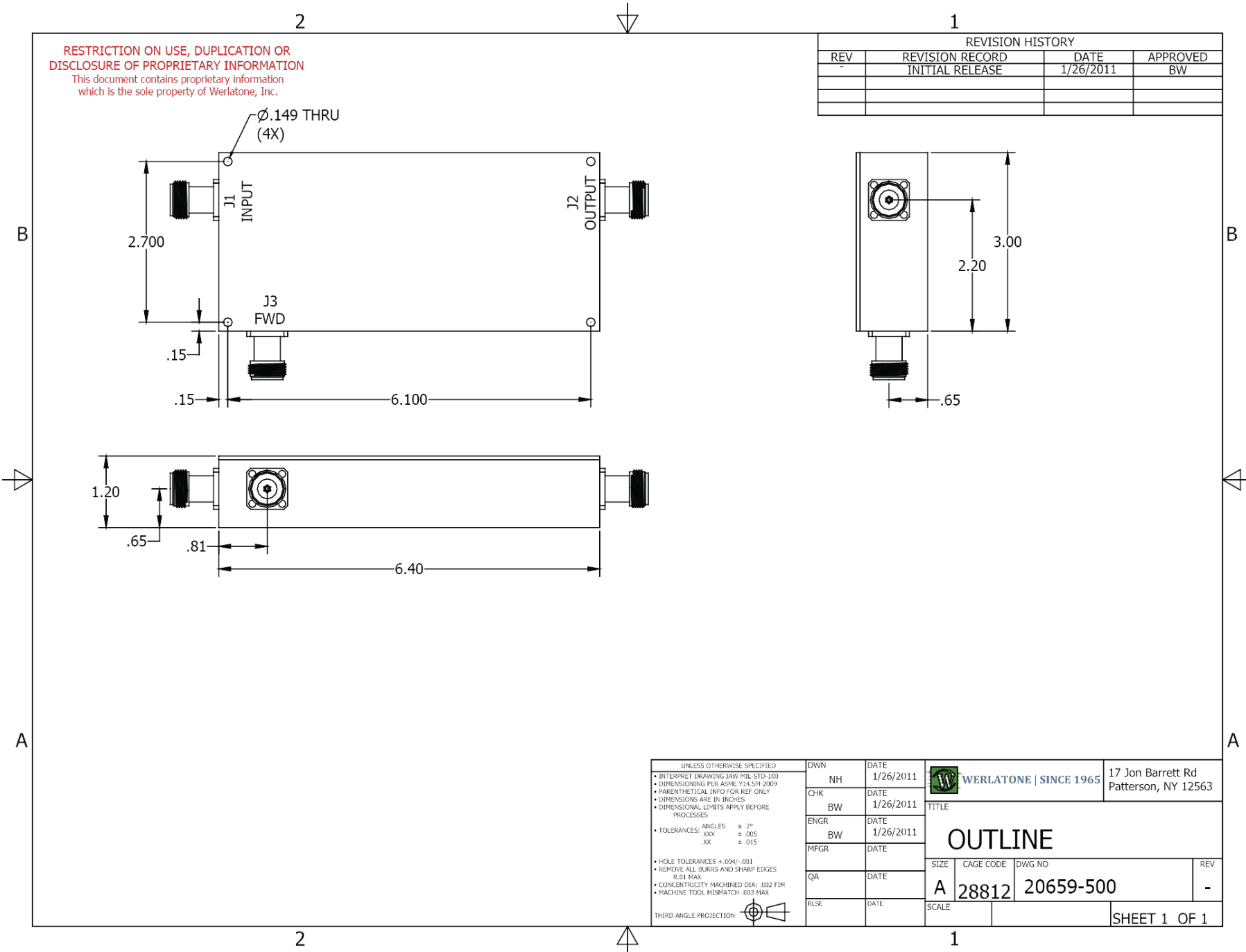


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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
	INITIAL RELEASE	1/26/2011	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
<ul style="list-style-type: none"> • INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES 		NH	1/26/2011				
<ul style="list-style-type: none"> • TOLERANCES: ANGLES = 2° .xxx = .005 .xx = .015 		CHK	DATE	TITLE			
<ul style="list-style-type: none"> • HOLE TOLERANCES + .004/- .001 • REMOVE ALL BURRS AND SHARP EDGES • R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX 		BW	1/26/2011	OUTLINE			
THIRD ANGLE PROJECTION		ENGR	DATE			SIZE	CAGE CODE
		MFG	DATE	A	28812	20659-500	-
		QA	DATE	SCALE		SHEET 1 OF 1	
		RLSE	DATE				

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