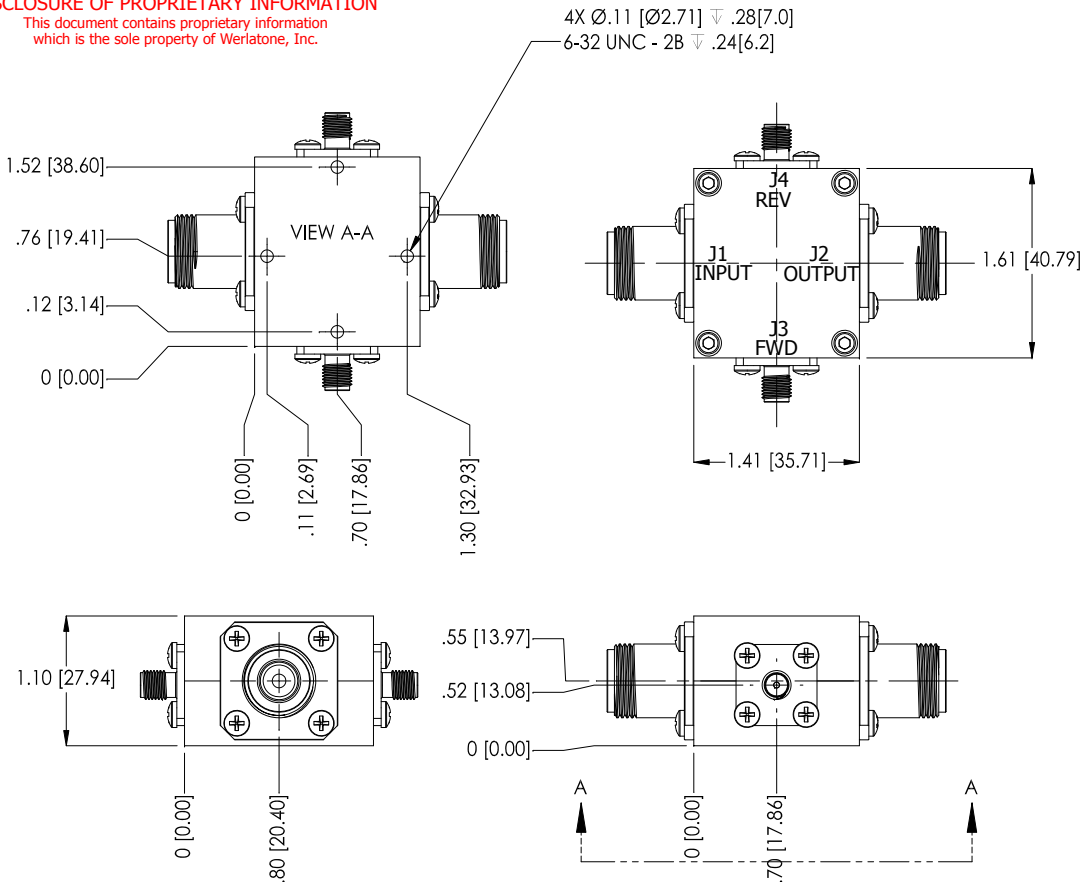


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Standard connector configurations are as follows:

Model	Main Line (J1,J2)	Coupled Ports (J3,J4)
C10518-10	N Female	N Female
C10518-12	N Female	SMA
C10518-102	SMA	SMA

REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
	PRE-RELEASE		

Notes:

- 1.) Material: Aluminum 6061-T6
- 2.) Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite)
- 3.) Connectors: See table below
- 4.) Operating Temperature: -55°C to +75°C
- 5.) Storage Temperature: -60°C to +85°C
- 6.) Humidity: 95% Non-Condensing

Model C10518

50 dB Dual Directional Coupler

Electrical Specifications:

Frequency:	20 - 1000 MHz
Power:	250 W CW
Coupling:	50 $\pm$ 1.0 dB Nom.
Flatness:	$\pm$ 0.6 dB Max.
Insertion Loss:	0.25 dB Max.
VSWR (ML):	1.30:1 Max.
Directivity:	20 dB Min.

		UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
		• INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHESES ARE FOR REF ONLY • DIMENSIONS ARE IN INCHES (mm) • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES $\pm$ 2° 3 PL $\pm$.005 (.13) 2 PL $\pm$.015 (.4) • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA. .002 FIM • MACHINE TOOL MISMATCH .003 MAX		PLP	10/30/2015			
				CHK	DATE	TITLE		
				NH	1/05/2016			
				ENGR	DATE			
				HFGR	DATE			
				QA	DATE			
				RLSE	DATE			
NEXT ASSY		C10518-12		SIZE CAGE CODE DWG NO B 28812 21353-500				REV
APPLICATION		USED ON						-
		THIRD ANGLE PROJECTION 						
				SCALE	SHEET 1 OF 1			