



## PRODUCT DATA SHEET

C6162

**4-Port Dual Directional Coupler** employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

**Features:**

High Power

Wide Bandwidths

Small Size

Flat Coupling

Custom Designs Available

**Electrical Specifications:**

Frequency: 800 - 2200 MHz  
 Power: 200 W CW  
 Coupling:  $30 \pm 1.0$  dB Max.  
 Insertion Loss: 0.2 dB Max.  
 Flatness:  $\pm 0.5$  dB Max.  
 VSWR (ML): 1.30:1 Max.  
 Directivity: 20 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: 3.0 x 3.0 x 1.09"

**Connector Configurations:**

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6162-10	N Female	N Female	N Female	N Female
C6162-12	N Female	N Female	SMA	SMA
C6162-13	N Female	N Female	BNC	BNC
C6162-102	SMA	SMA	SMA	SMA
C6162-714	N Male	N Female	N Female	N Female

**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.



# WERLATONE

Model C6162

Connectorized Directional Couplers

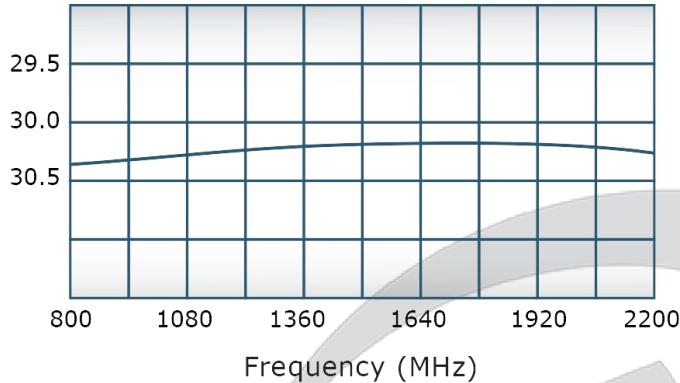


## PRODUCT DATA SHEET

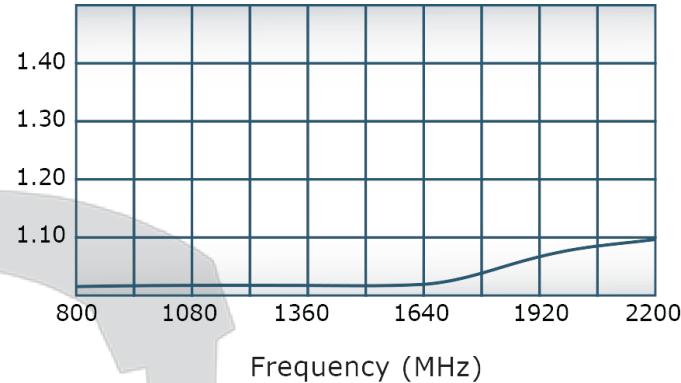
C6162

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

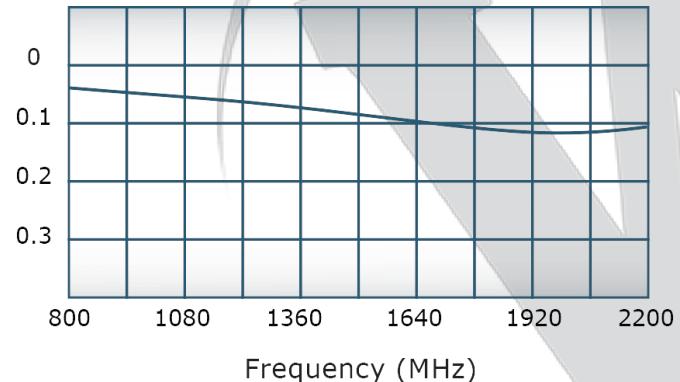
Coupling:



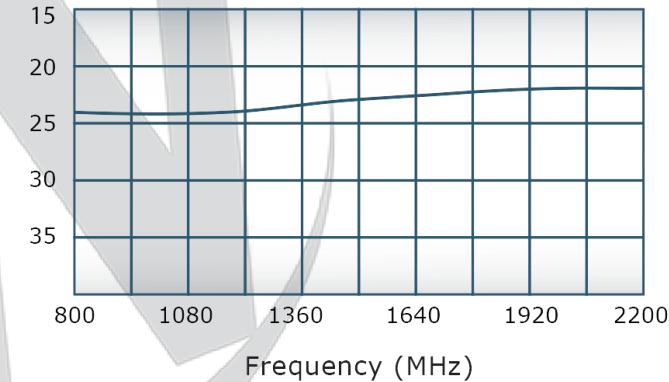
VSWR:



Insertion Loss:



Directivity:



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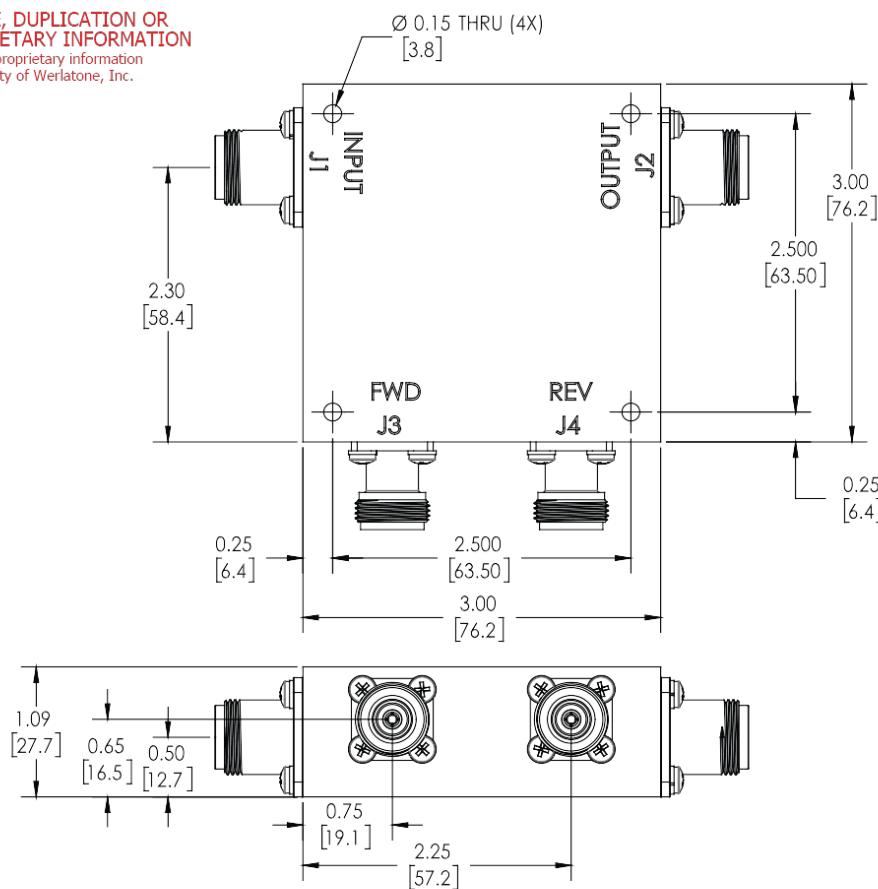
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#### REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/27/18	RB

#### NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)

UNLESS OTHERWISE SPECIFIED	OWN	DATE	17 Jon Barrett Rd
RH	7/5/2001	DATE	Patterson, NY 12563
<b>WERLATONE SINCE 1965</b>			
CHK	DATE	DATE	
ENGR	DATE	DATE	
MFGR	DATE	DATE	
QA	DATE	DATE	
PLSE	DATE	SCALE	REV
	1:1		A
<b>OUTLINE</b>			
B	CAGE CODE	DWG NO	
10379-505			
SHEET 1 OF 1			

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