

PRODUCT DATA SHEET

C6079

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.

Electrical Specifications:

Frequency: 100 - 500 MHz
Power: 1000 W CW
Coupling: 40 ± 1.0 dB Max.
Insertion Loss: 0.2 dB Max.
Flatness: ± 0.3 dB Max.
VSWR (ML): 1.10:1 Max.
Directivity: 20 dB Min.

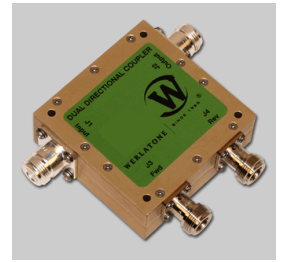
Mechanical Specifications:

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)
C6079-10	N Female	N Female	N Female	N Female
C6079-12	N Female	N Female	SMA	SMA
C6079-13	N Female	N Female	BNC	BNC
C6079-20*	7/16 Female	7/16 Female	7/16 Female	7/16 Female
C6079-22*	7/16 Female	7/16 Female	SMA	SMA
C6079-23*	7/16 Female	7/16 Female	BNC	BNC
C6079-41	SC Female	SC Female	N Female	N Female
C6079-622*	7/16 Female	7/16 Male	SMA	SMA
C6079-627*	7/16 Female	7/16 Male	BNC	BNC
C6079-741	SC Male	SC Female	N Female	N Female

(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")

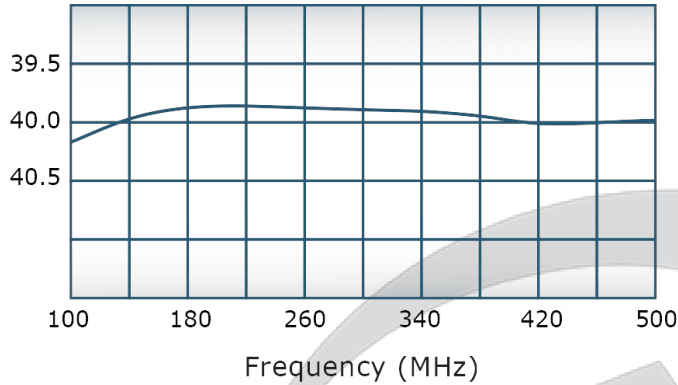


PRODUCT DATA SHEET

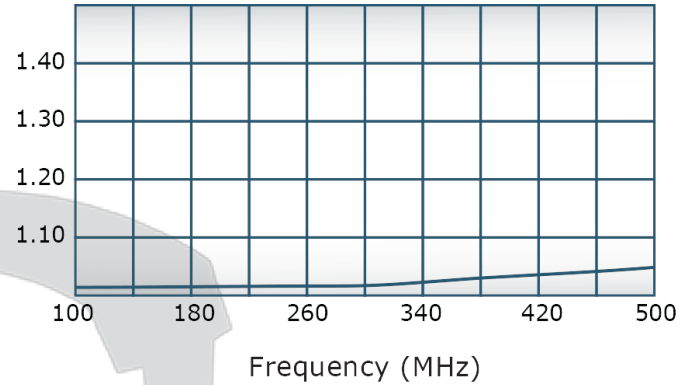
C6079

Performance Data (Specifications subject to change without notice):

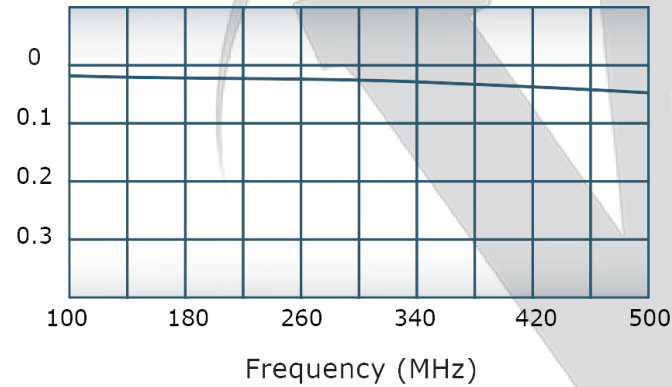
Coupling:



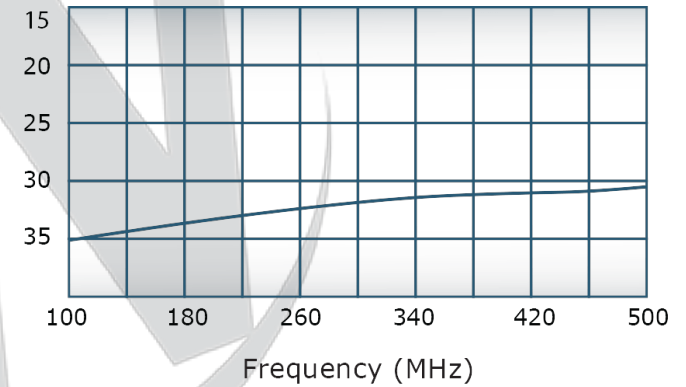
VSWR:



Insertion Loss:



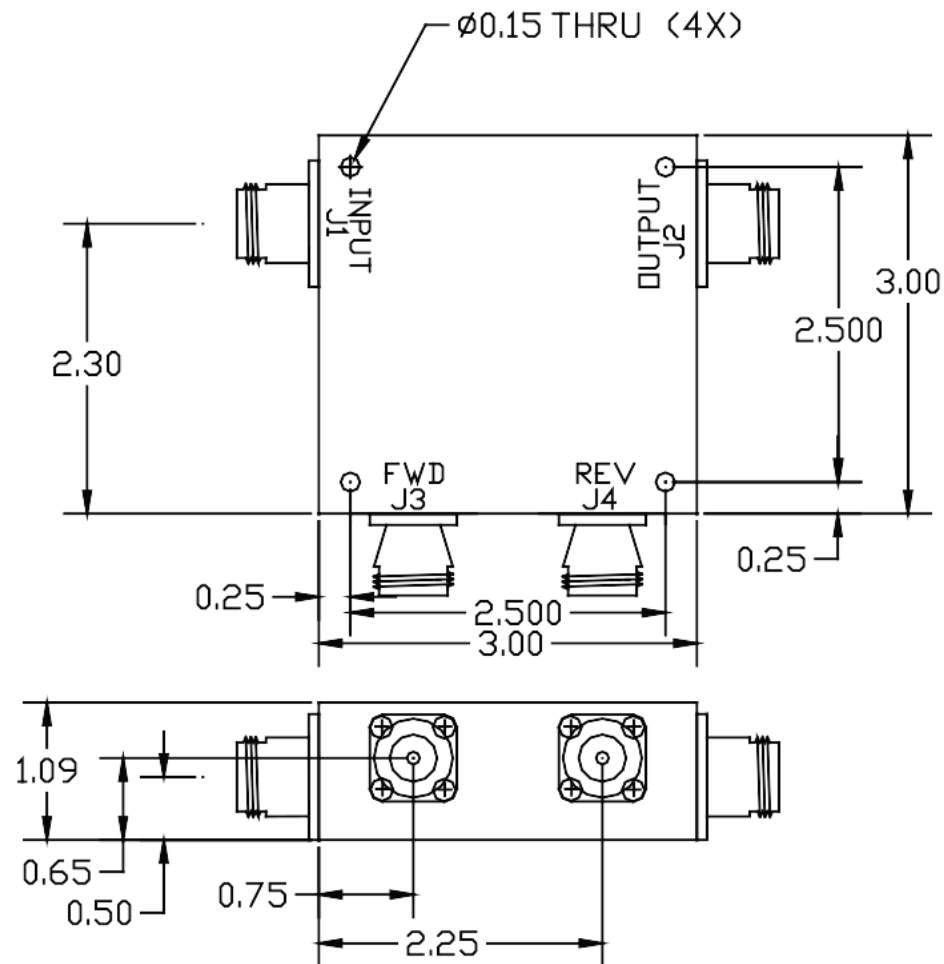
Directivity:




Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

DATE	SYM	REVISION	RECORD	AUTH	DR	CK



THIS DRAWING CONTAINS INFORMATION
PROPRIETARY TO WERLATONE INC. AND
MAY NOT BE USED OR COPIED WITHOUT
THE WRITTEN CONSENT OF WERLATONE INC.

TOLERANCE	WERLATONE INC.		
XX +/- .015	SCALE	DRAWN BY: RH	
XXX +/- .005		APPVD BY: MJ	
	TITLE OUTLINE		
	DATE 7/5/01	DRAWING NUMBER 10379-505	

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com