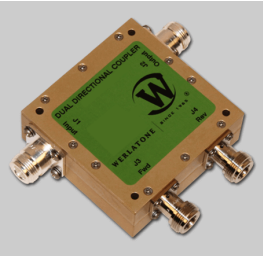
WERLATONE

Model C6079
Connectorized Directional Couplers



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"

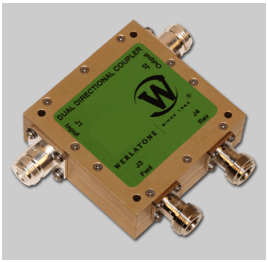
Connector Configurations:

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")

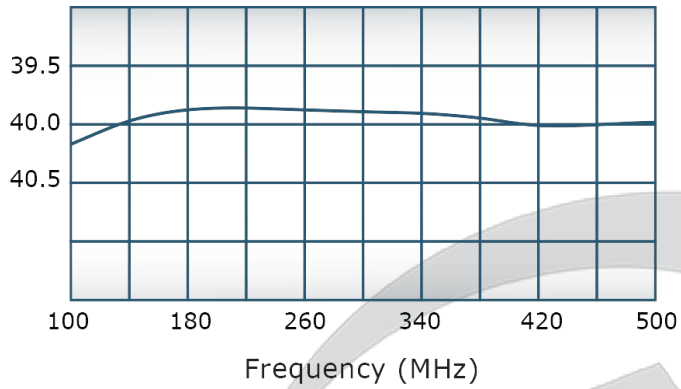
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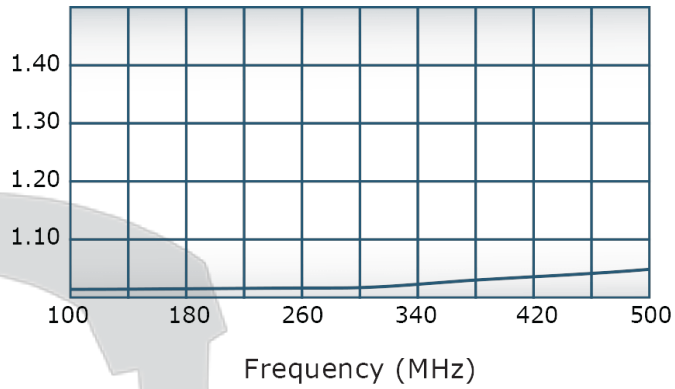


Performance Data (Specifications subject to change without notice):

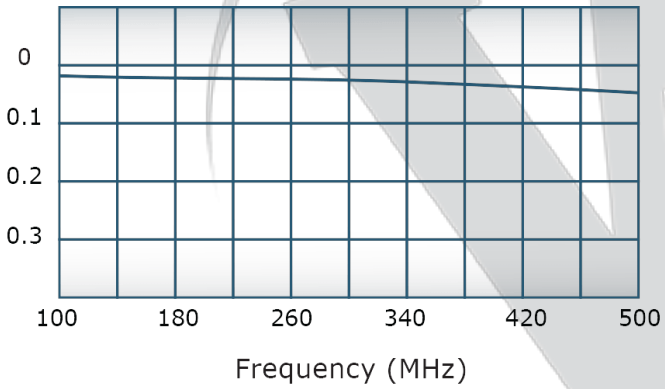
Coupling:



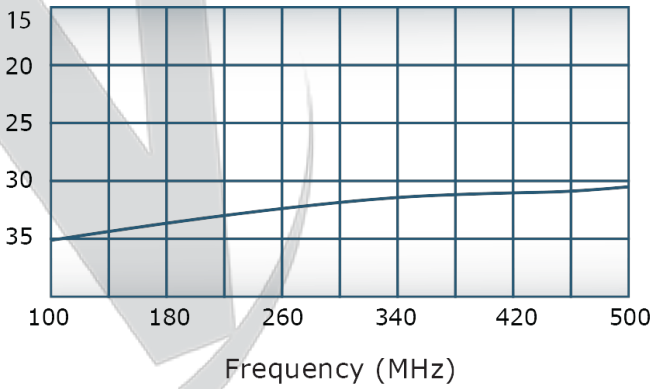
VSWR:



Insertion Loss:



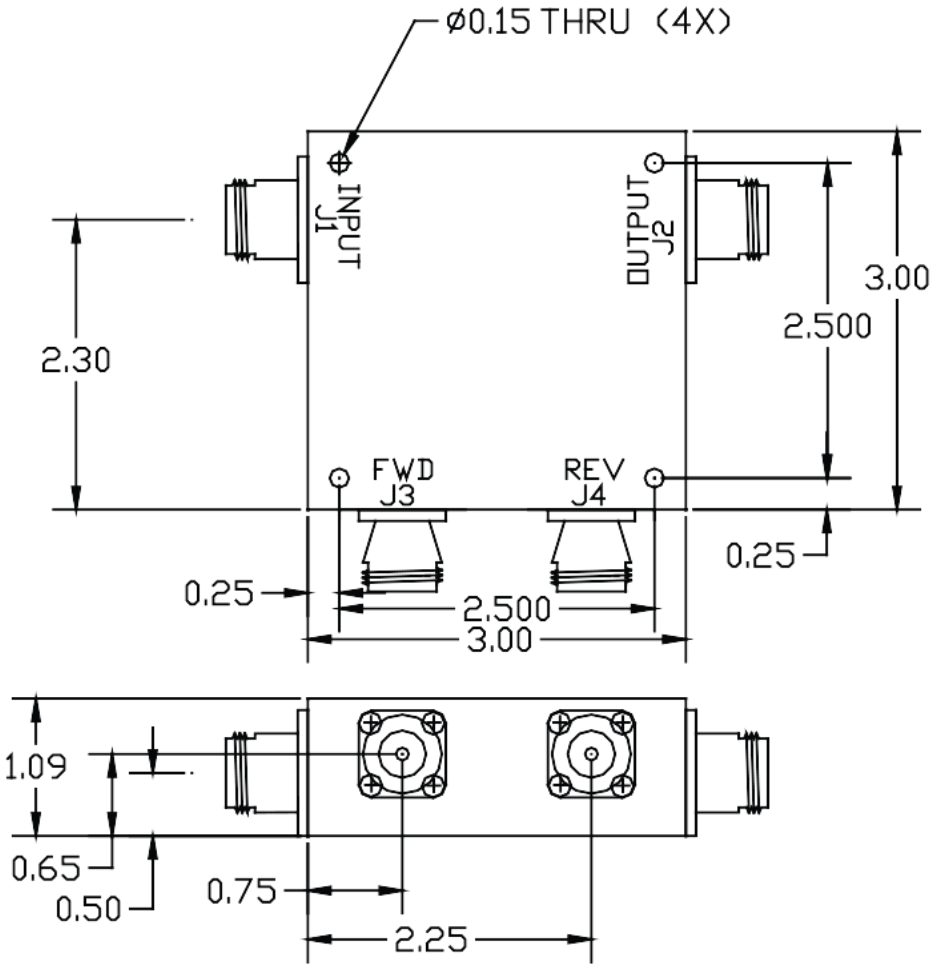
Directivity:



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DATE	SYM	REVISION RECORD	AUTH	DR	CK



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