WERLATONE

Model C8025



PRODUCT DATA SHEET **C8025**

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency:	500 - 3500 MHz
Power:	125 W CW
Coupling:	30 ± 1.0 dB Max.
Insertion Loss:	0.3 dB Max.
Flatness:	± 0.75 dB Max.
VSWR (ML):	1.25:1 Max.
Directivity:	18 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:	1.3 x 1.0 x 0.07"

Port Configurations:

Model	**J1**	**J2**	**J3**	**J4**
C7962	Input	Output	Forward	Reverse

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

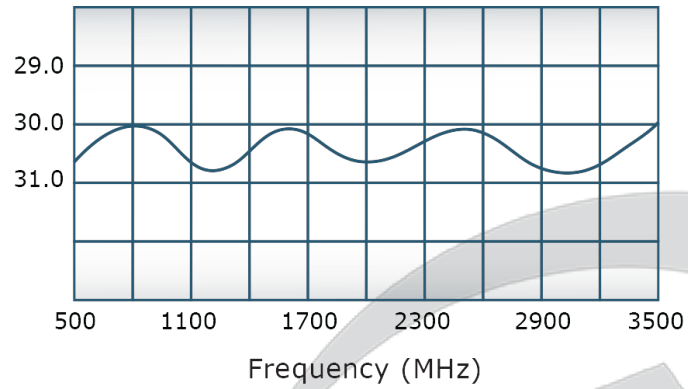
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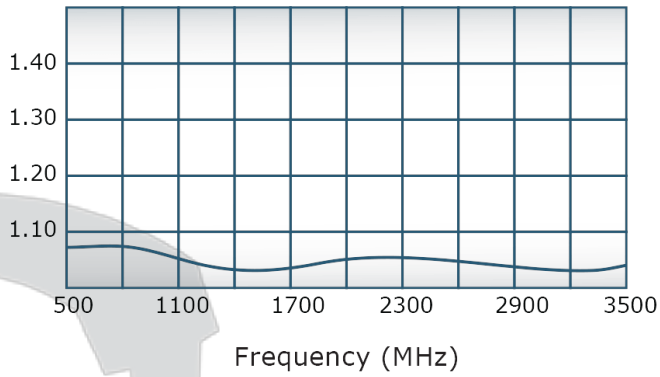
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Performance Data (Specifications subject to change without notice):

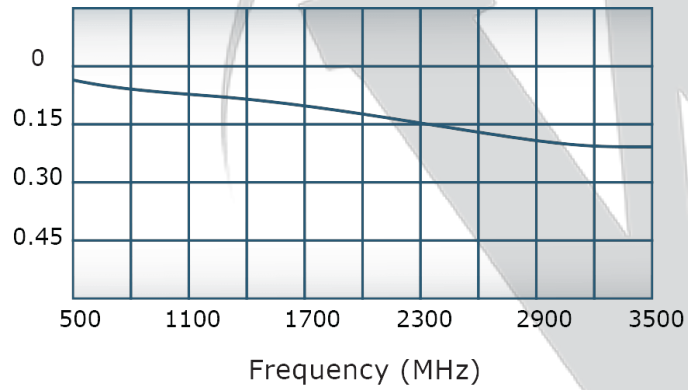
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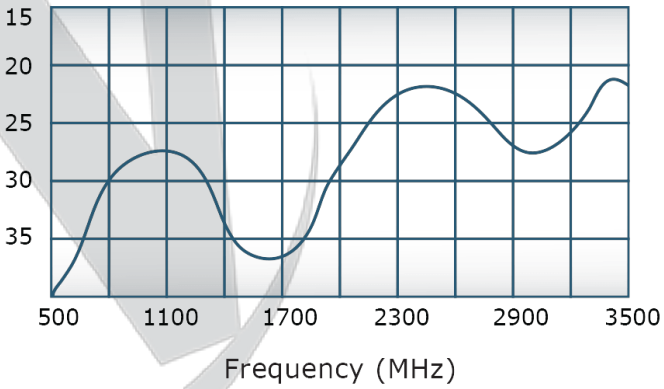
VSWR:



Insertion Loss:

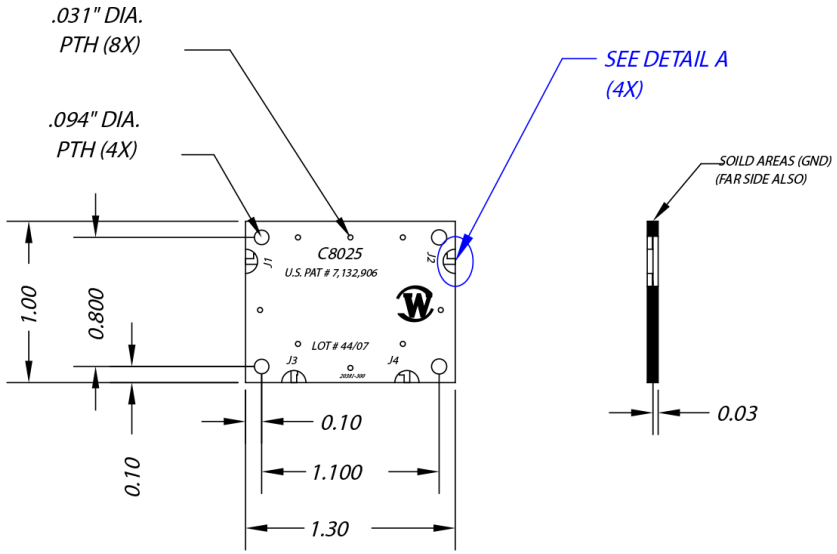


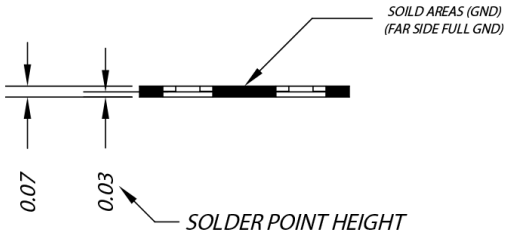
Directivity:



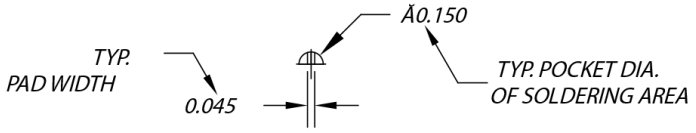
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DATE	SYM	REVISION RECORD	AUTH	DR	CK





DETAIL A



TOLERANCE	WERLATONE INC.		
XX +/- .015 XXX +/- .005		SCALE	DRAWN BY : NH APPVD BY: BW
	TITLE : **OUTLINE**		
	DATE 01/10/08	DRAWING NO: **20381 -500**	

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