
PRODUCT DATA SHEET
C10762

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: 1000 - 6000 MHz
 Power: 300 W CW
 Coupling: 40 ± 1.0 dB Max.
 Insertion Loss: 0.2 dB Max.
 Flatness: ± 0.5 dB Max.
 VSWR (ML): 1.30:1 Max. (1.35:1 Max. with 7/16 ML connectors)
 Directivity: 15 dB Min.

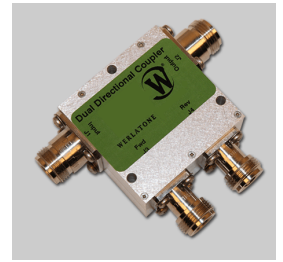
Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F
 Type II Class 3 (Clear Iridite)
 RoHS Compliant Available
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Humidity: 95% Non-Condensing
 Size: 2.0 x 2.0 x 1.06"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C10762-10	N Female	N Female	N Female	N Female
C10762-12	N Female	N Female	SMA	SMA
C10762-14	N Male	N Male	N Female	N Female
C10762-20*	7/16 Female	7/16 Female	7/16 Female	7/16 Female
C10762-22*	7/16 Female	7/16 Female	SMA	SMA
C10762-612	N Female	N Male	SMA	SMA
C10762-714	N Male	N Female	N Female	N Female
C10762-727*	7/16 Male	7/16 Female	N Female	N Female

*Starred options are 3.0 x 3.0 x 1.36"

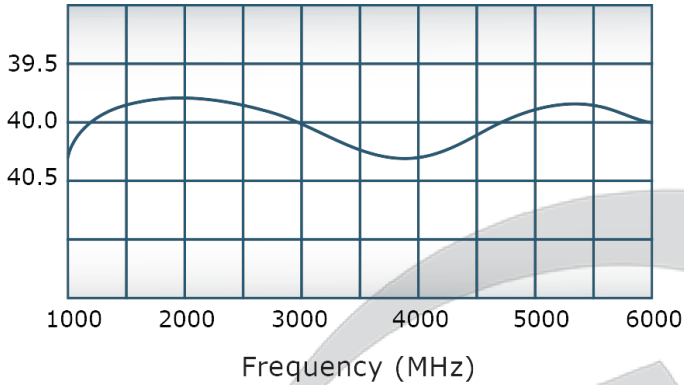


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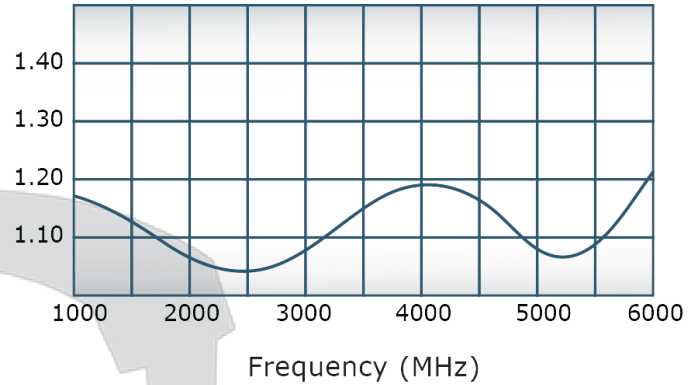
C10762

Performance Data (Specifications subject to change without notice):

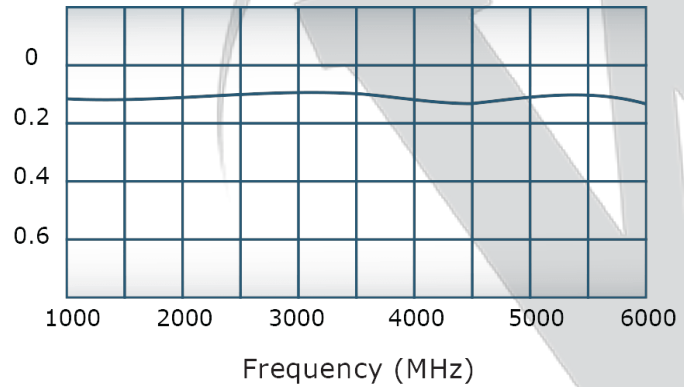
Coupling:



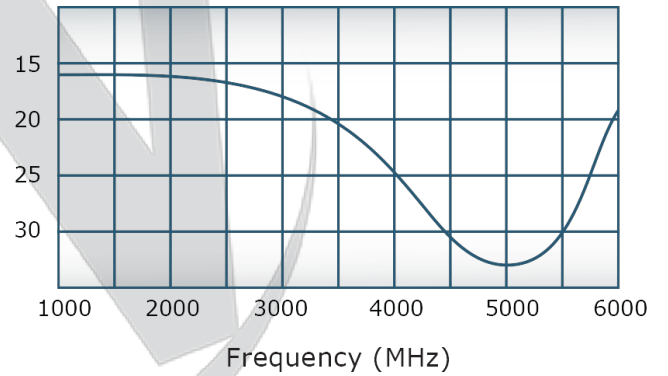
VSWR:



Insertion Loss:



Directivity:



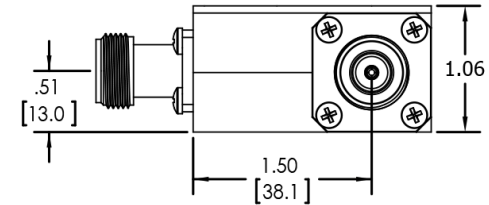
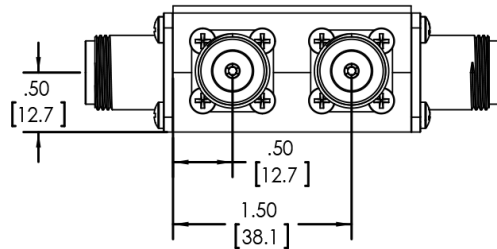
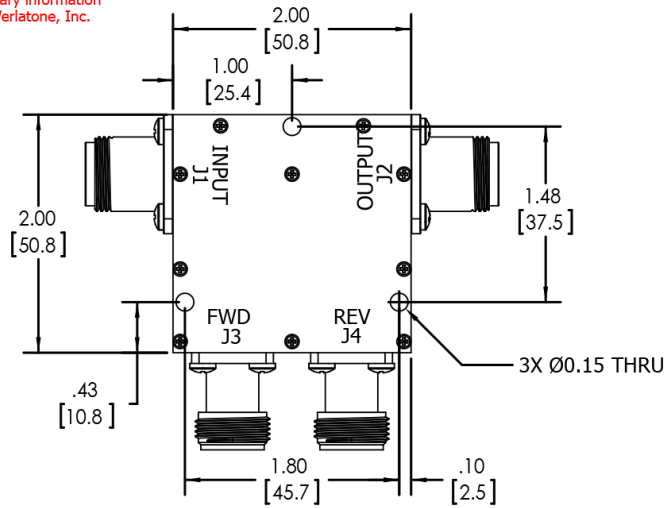
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
	PRE-RELEASE		



UNLESS OTHERWISE SPECIFIED		DATE	9/30/2014	17 Jon Barrett Rd Patterson, NY 12563
INT	INTERPRET DRAWING IAW MIL-STD-100	SC	9/30/2014	WERLATONE SINCE 1965
CS	DIMENSIONING PER ASME Y14.5M 2009	CHK	9/30/2014	
CS	PARENTHEetical INFO FOR REF ONLY	DATE	9/30/2014	TITLE
CS	DIMENSIONS ARE IN INCHES (mm)	DATE	9/30/2014	OUTLINE
CS	DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	DATE	9/30/2014	SIZE
CS	TOLERANCES:	DATE	9/30/2014	CAGE CODE
CS	ANGLES ± 2°	DATE	9/30/2014	DWG NO
CS	3 PL ± .005 (.13)	DATE	9/30/2014	REV
CS	2 PL ± .015 (.4)	DATE	9/30/2014	B
CS	REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	DATE	9/30/2014	28812
CS	CONCENTRICITY MACHINED DIA. .002 FIM	DATE	9/30/2014	21250-500
CS	MACHINE TOOL HIGHMATCH .003 MAX	DATE	9/30/2014	-
APPLICATION	THIRD ANGLE PROJECTION	SCALE	1:1	SHEET 1 OF 1

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