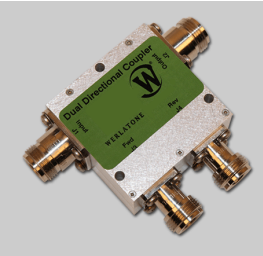
WERLATONE

Model C10762



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:

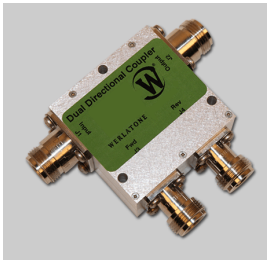
Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Humidity:	95% Non-Condensing
Size:	2.0 x 2.0 x 1.06''

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''

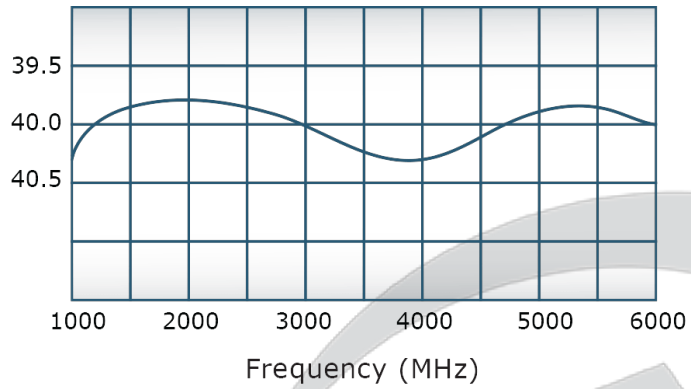
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



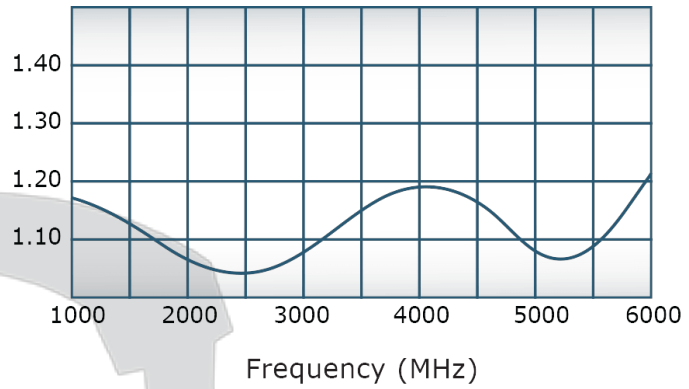
PRODUCT DATA SHEET **C10762**

Performance Data (Specifications subject to change without notice):

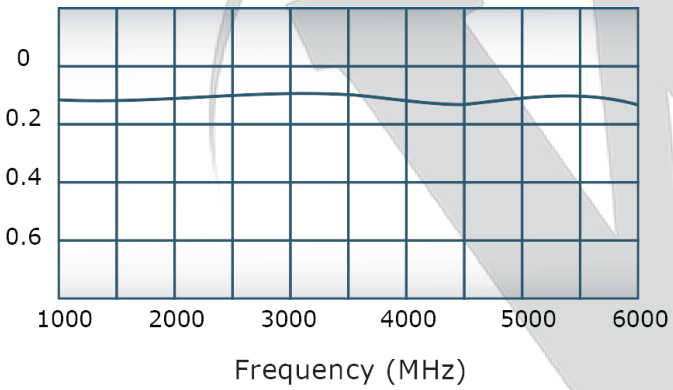
Coupling:



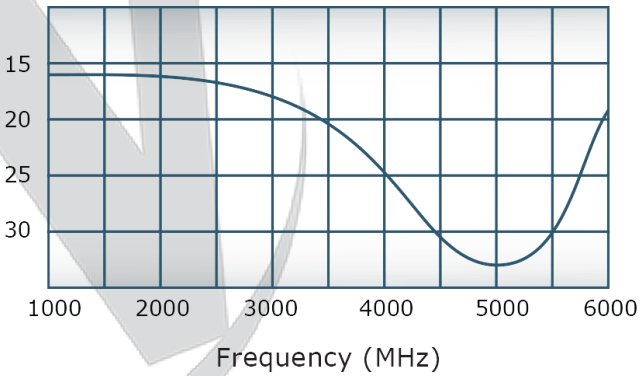
VSWR:



Insertion Loss:

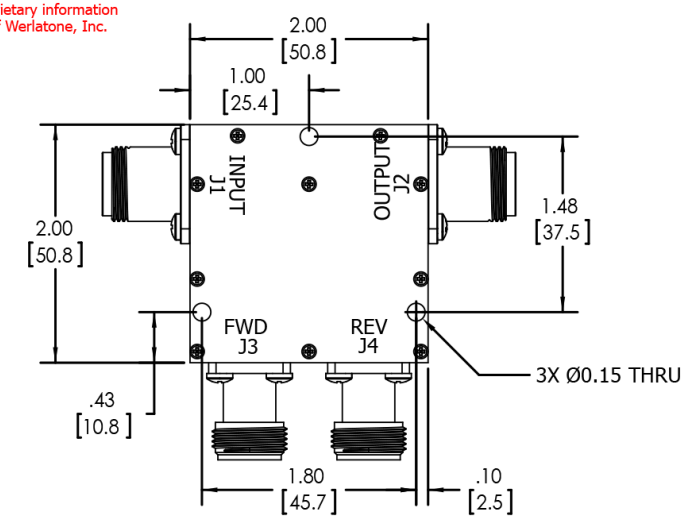


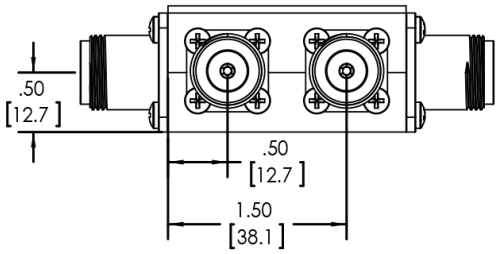
Directivity:

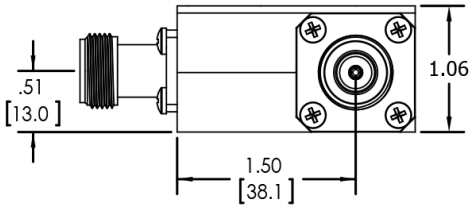


Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
	PRE-RELEASE		







C10117	
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARENTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES [mm]
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- TOLERANCES:
  ANGLES ± 2°
  3 PL ± .005 [.13]
  2 PL ± .015 [.4]
- REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
- CONCENTRICITY MACHINED DIA: .002 FIM
- MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

DWN	SC	9/30/2014
CHK		DATE
	CS	9/30/2014
ENGR		DATE
	BW	9/30/2014
MFGR		DATE
QA		DATE
RLSE		DATE

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE
OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B	28812	21250-500	-

SCALE 1:1 SHEET 1 OF 1

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