

Technical drawing of the 1000 Series 2-Port 1-Watt RF Switch, showing dimensions in inches [millimeters].

Top View Dimensions:

- Overall Length: 4.500 [114.30]
- Distance from Left Edge to First Port: .239 [6.08] TYP
- Distance between Ports: 4.022 [102.15]
- Distance from Second Port to Right Edge: .239 [6.08] TYP
- Distance from Left Edge to Center of First Port: 1.063 [26.99]
- Distance between Port Centers: 2.400 [60.96]
- Distance from Center of Second Port to Right Edge: 1.063 [26.99]

Side View Dimensions:

- Overall Height: .500 [12.70] TYP
- Distance from Top Surface to Port Mounting Surface: .100 [2.54] TYP

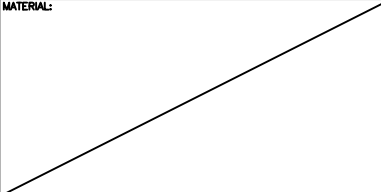
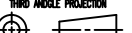
End View Dimensions:

- Overall Width: .400 [10.16]
- Distance from Top Surface to Port Mounting Surface: .200 [5.08] TYP
- Distance from Port Mounting Surface to Bottom Surface: .730 [18.54]

Port and Mounting Details:

- Left Port: 3X SMA FEMALE
- Right Port: 2X $\phi .125$ [$\phi 3.18$] THRU

Frequency Range: 0.5–3 GHz
Coupling: 10±1dB
Insertion Loss: 1.6dB Max.
Directivity: 14dB Min.
Power Incident, Reflected: 20W, 5W, 3kW Peak
VSWR: 1.65:1 Max.
Frequency Sensitivity: ±0.7dB

MATERIAL:		 MICROWAVE COMMUNICATIONS LABORATORIES INC. 7255 30TH AVE. N. SAINT PETERSBURG, FL 33710 TEL: (727) 344-6254 FAX: (727) 381-6116 http://www.MCLI.com		SCALE: N/A SHEET: N/A	
		UNLESS OTHERWISE SPECIFIED: TOLERANCES IN (INCHES) OR (mm) (MILLIMETERS) FRACTIONS: $\pm 1/64$ DECIMALS: $\pm 0.01 \pm 0.005$ ANGLE: $\pm 1/2^\circ$		DRAWING TITLE: DIRECTIONAL COUPLER	
		PART NO. CB48-10		CAGE CODE:	
		DATE: 06-21-2001 PROPRIETARY NOTICE: THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM MICROWAVE COMMUNICATIONS LABORATORIES INC. (MCLI)		SIZE: N/A REV: N/A DWG NO. 82629	
DRAWN: Paiboon Luekhamhan		DATE: 06-21-2001 THIRD ANGLE PROJECTION 		APPROVED: T. Nguyen	
DATE: 06-21-2001		OD2L5		DO NOT SCALE THE DRAWING	