

Technical drawing of the 1000 Series 100 Watt RF Amplifier, showing side and front views with dimensions in inches and millimeters.

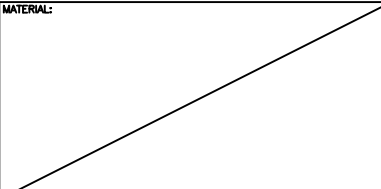
Side View Dimensions:

- Overall Width: 1.102 [27.99]
- Distance from Left Edge to SMA Female Connector: 3.500 [88.90]
- Distance from SMA Female Connector to Type N Male Connector: .750 [19.05]
- Overall Height: .150 [3.81] TYP
- Distance from Left Edge to Center of SMA Female Connector: .600 [15.24] TYP
- Distance from Center of SMA Female Connector to Center of Type N Male Connector: 2.300 [58.42] TYP
- Distance from Center of Type N Male Connector to Right Edge: .600 [15.24] TYP
- Mounting Hole Diameter: 2X ϕ .149 [ϕ 3.78] THRU

Front View Dimensions:

- Overall Width: .800 [20.32]
- Overall Height: 1.200 [30.48]
- Distance from Top Edge to Center of SMA Female Connector: .400 [10.16] TYP
- Distance from Center of SMA Female Connector to Center of Type N Female Connector: .570 [14.48] MAX.
- Distance from Center of Type N Female Connector to Bottom Edge: .600 [15.24] TYP

Frequency Range: 1–2 GHz
Coupling: 30±1.0dB
Insertion Loss: 0.20dB Max.
Frequency Sensitivity: ±0.75 dB
VSWR: 1.15:1 Max.
Directivity: 18dB Min.
Power Handling: 600W CW

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: HIGH POWER DIRECTIONAL COUPLER	
		PART NO. HC-2-30/NMI		CAGE CODE: OD2L5	
DRAWN: Paiboon Luekhamhan DATE: 05-05-2009		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: A REV: A DWG NO. 84409	
APPROVED: T. Nguyen DATE: 05-05-2009		THIRD ANGLE PROJECTION 		DO NOT SCALE THE DRAWING	