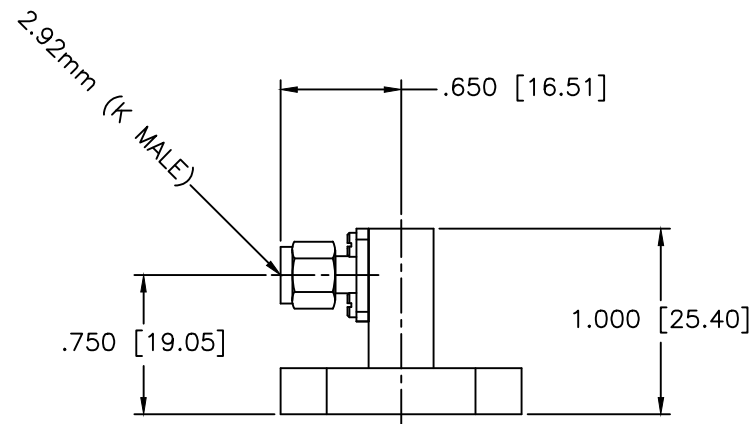


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

FREQUENCY RANGE: 18–26.5 GHz  
 VSWR: 1.10:1 MAX.  
 INSERTION LOSS: 0.3dB  
 W/G FLANGE DESIGNATOR: UG–595/U  
 POWER RATING: 250 mW  
 WAVEGUIDE DESIGNATOR: WR–42  
 COAXIAL TERMINATION: 2.92mm (K) MALE  
 OPERATING TEMP. RANGE: –40°C to +85°C

|                                                                                                                                                                                                     |            |                                                                                                                                                                                                                                                                                      |       |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|---------|
| MATERIAL:                                                                                                                                                                                           |            |  MICROWAVE COMMUNICATIONS LABORATORIES INC.<br>7255 30TH AVE. N. SAINT PETERSBURG, FL 33710<br>TEL: (727) 344-6254 FAX: (727) 381-6116<br><a href="http://WWW.MCLI.COM">http://WWW.MCLI.COM</a> |       | SCALE: | N/A     |
|                                                                                                                                                                                                     |            |                                                                                                                                                                                                                                                                                      |       | SHEET: | N/A     |
| UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm 1/64$<br>DECIMALS: $\pm .01 \pm .005$<br>ANGLE: $\pm 1/2^\circ$                                   |            | DRAWING TITLE:                                                                                                                                                                                                                                                                       |       |        |         |
|                                                                                                                                                                                                     |            | WR42 TO 2.92mm, WAVEGUIDE ADAPTER                                                                                                                                                                                                                                                    |       |        |         |
| PROPRIETARY NOTICE:<br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY<br>AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN<br>PERMISSION FROM MICROWAVE COMMUNICATIONS<br>LABORATORIES INC. (MCLI) |            | PART NO.                                                                                                                                                                                                                                                                             |       |        |         |
|                                                                                                                                                                                                     |            | WC12–KM–UG                                                                                                                                                                                                                                                                           |       |        |         |
| DRAWN:                                                                                                                                                                                              | DATE:      | CAGE CODE:                                                                                                                                                                                                                                                                           | SIZE: | REV:   | DWG NO. |
| Paiboon Luekhamhan                                                                                                                                                                                  | 05–28–2009 | OD2L5                                                                                                                                                                                                                                                                                | A     | N/A    | 84524   |
| APPROVED:                                                                                                                                                                                           | DATE:      | DO NOT SCALE THE DRAWING                                                                                                                                                                                                                                                             |       |        |         |
| T. Nguyen                                                                                                                                                                                           | 05–28–2009 |                                                                                                                                                                                                                                                                                      |       |        |         |