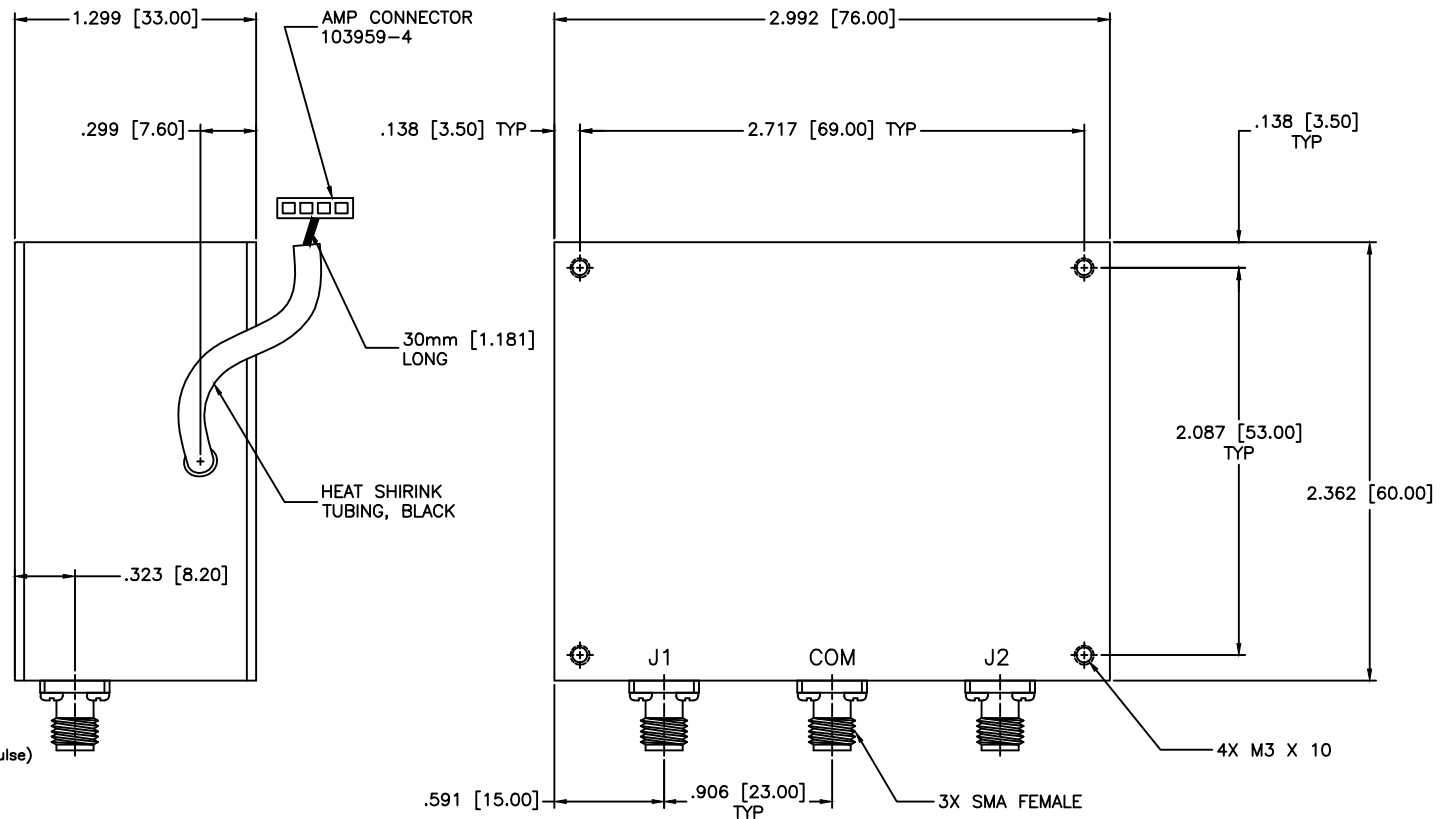


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



High Power Input Specifications  
Frequency Range: 25 to 500 MHz  
RF Input Power: 100W Avg, 500W Peak (1us Pulse)  
Load VSWR: 2.50:1 (Maximum)

Microwave Switch Specifications  
Frequency Range: 25-500 MHz  
Isolation: 55dB Min.  
Insertion Loss: 0.6dB Max.  
VSWR: 1.30:1 Max.  
RF Switch Speed Maximum:  
20uS [50%TTL to 10% or 90% RF]  
40uS [50%TTL to specified isolation]

General Specifications  
Connectors: SMA Female  
Impedance: 50 Ohms  
Insertion Loss: 0.6dB Max.  
Control Bias DC Connector Solder Terminals  
Control, Logic TTL,  
State 0 = J1 to Com RF Path, State 1 = J2 to Com RF Path

DC Power Requirements  
Positive Supply: +5±5% Vdc  
Positive Supply Current (nominal) : 250 mA  
Positive Supply Voltage: +15±5% Vdc

Environmental Requirements  
Operating Temperature: -20° to +70° Degrees C  
Storage Temperature: -55° to +85° Degrees C  
Cooling: Construction cooling through surface of switch body

|                                                                                                                                                                                                                                                                                                                                                                                     |                     |                                                                                                                                                                                                |            |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|
| <b>MATERIAL:</b><br>                                                                                                                                                                                                                                                                                                                                                                |                     | 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:<br>N/A    |
|                                                                                                                                                                                                                                                                                                                                                                                     |                     | SHEET:<br>N/A                                                                                                                                                                                  |            |                  |
| <b>UNLESS OTHERWISE SPECIFIED:</b><br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: ± 1/64<br>DECIMALS: ±.01 ±.005<br>ANGLE: ±1/2°<br>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)<br>THIRD ANGLE PROJECTION |                     | DRAWING TITLE:<br>RF SWITCHES                                                                                                                                                                  |            |                  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                     | PART NO.<br>D2-27B                                                                                                                                                                             |            |                  |
| DRAWN:<br>Paiboon Luekhamhan                                                                                                                                                                                                                                                                                                                                                        | DATE:<br>10-09-2006 | CAGE CODE:<br>OD2L5                                                                                                                                                                            | SIZE:<br>A | REV:<br>N/A      |
| APPROVED:<br>T. Nguyen                                                                                                                                                                                                                                                                                                                                                              | DATE:<br>10-09-2006 | DO NOT SCALE THE DRAWING                                                                                                                                                                       |            | DWG NO.<br>82676 |