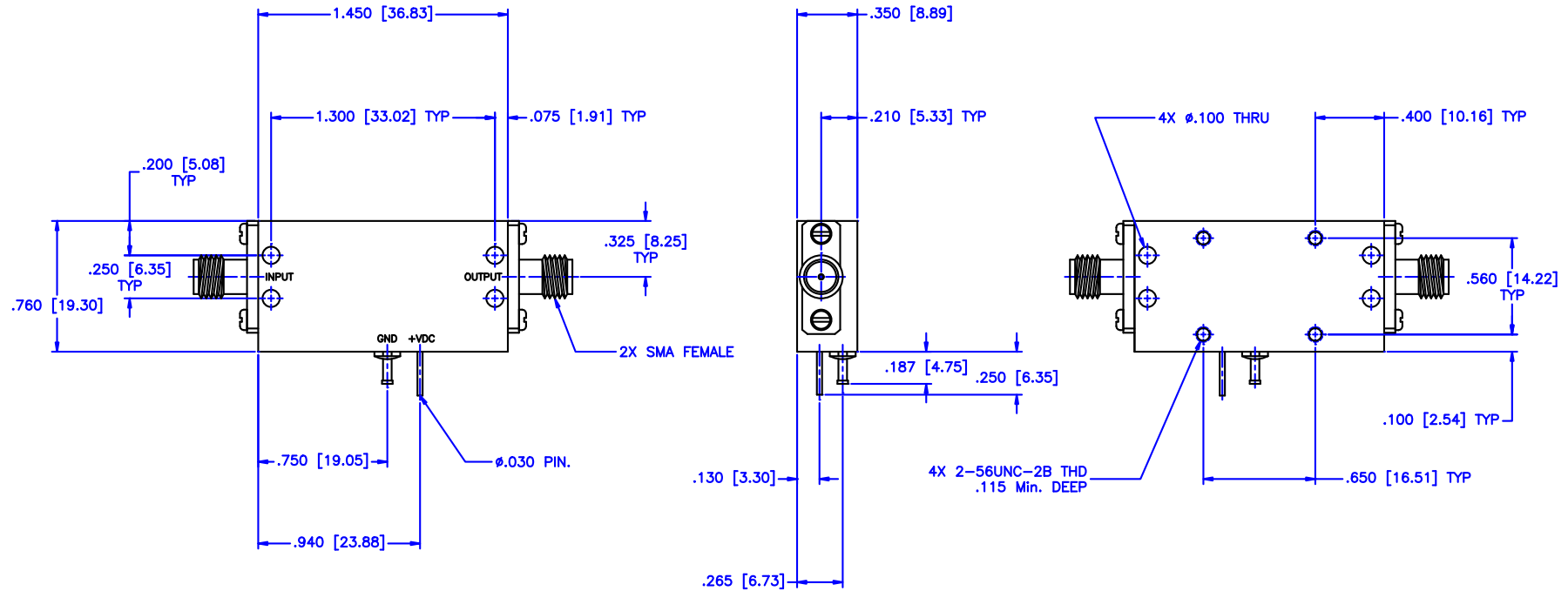


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |
|           |     |             |      |          |



#### SPECIFICATIONS

- Frequency Range: 6-18 GHz
- Gain: 40dB Min. / 44dB Typ.
- Gain Flatness:  $\pm$ 2.0dB Max. /  $\pm$ 1.0 Typ
- Noise Figure: 2.25dB Max. / 1.80dB Typ.
- Power Output: +10dBm Min. @ 1dB PT
- Input & Output VSWR: 2.0:1 Max. / 1.5:1 Typ.
- 3rd Order ICP: +20dBm Typ
- DC Power: +12 to +15 VDC, 300mA NOM
- \*CONNECTORS: SMA FEMALE INPUT/OUTPUT (FIELD REPLACEABLE)
- \*UNIT IS UNCONDITIONALLY STABLE & 100% TESTED BY MCLI
- \*MAX INPUT POWER WITHOUT DAMAGE: +20 dBmCW
- \*OPERATING TEMP: -40°C to +85°C (SPECS @ ROOM TEMP)
- \*STORAGE TEMP: -54°C to +95°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>http://WWW.MCLI.COM |                          | SCALE:           | N/A      |  |
| UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm$ 1/64<br>DECIMALS: $\pm$ 0.019<br>ANGLE: $\pm$ 1/2° |  |            | DRAWING TITLE:   |                          | POWER AMPLIFIERS |          |  |
| DRAWN:  |  | DATE:      |  | PART NO.                 |                  | PA-35-40 |  |
| APPROVED:   |  | DATE:      |  | CAGE CODE:               |                  | DWG NO.  |  |
| Paiboon Luekhamhan  |  | 04-16-2013 |  | OD2L5                    |                  | 86269    |  |
| T. Nguyen   |  | 04-16-2013 |  | SIZE: A                  |                  | REV: N/A |  |
| THIRD ANGLE PROJECTION  |  |            |  | DO NOT SCALE THE DRAWING |                  |          |  |