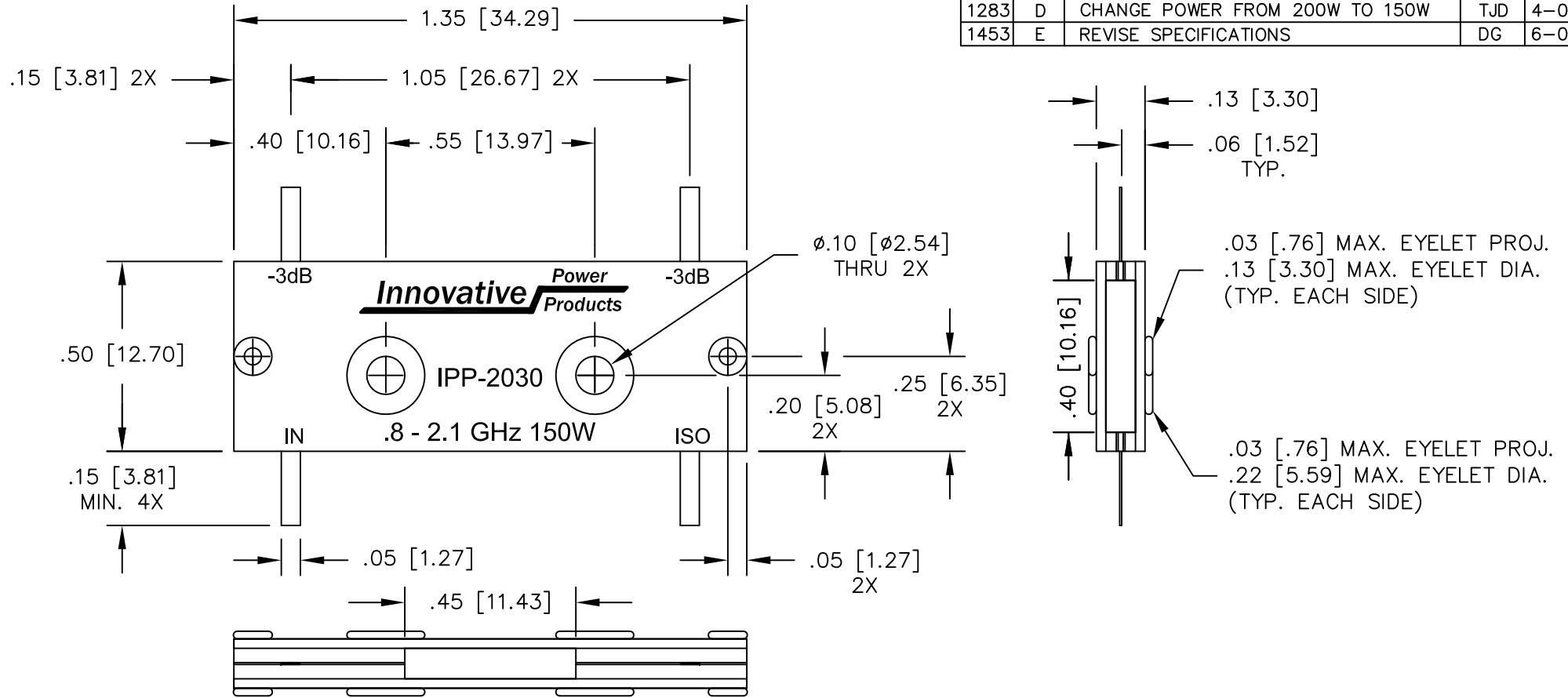


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION                      | APPVD | DATE |
|------|-----|----------------------------------|-------|------|
| 1074 | A   | INITIAL RELEASE                  | TJD   | 3-06 |
| 1101 | B   | CHANGE AMP BAL FROM 0.65 TO 0.75 | TJD   | 4-06 |
| 1123 | C   | ADD GROUND WRAPS                 | TJD   | 5-06 |
| 1283 | D   | CHANGE POWER FROM 200W TO 150W   | TJD   | 4-07 |
| 1453 | E   | REVISE SPECIFICATIONS            | DG    | 6-08 |



**NOTES**

- LEAD MATERIAL:  
99.99% PURE SILVER  
.005" THICK
- SEE 90° APPLICATION  
NOTE FOR FURTHER  
INFORMATION.
- RoHS COMPLIANT.

**ELECTRICAL SPECIFICATIONS**

|                    |               |
|--------------------|---------------|
| FREQUENCY:         | .8 - 2.1 GHz. |
| INSERTION LOSS:    | < 0.25 dB     |
| VSWR:              | < 1.25:1      |
| ISOLATION:         | > 18 dB       |
| AMPLITUDE BALANCE: | ±0.75 dB      |
| PHASE BALANCE:     | ±5°           |
| POWER:             | 150 WATT      |
| TEMPERATURE:       | -55°C TO 85°C |

**PACKAGE STYLE: 21**

|  |                  |                   |            |                 |  |           |                 |           |
|--|------------------|-------------------|------------|-----------------|--|-----------|-----------------|-----------|
| MATERIAL<br>AL. ALLOY, 6061-T6                         | DWN              | DG                | DATE       | 11/05           | <b>Innovative Power Products</b>                 |           |                 |           |
|  | ENG              | TJD               | DATE       | 11/05           |  |           |                 |           |
| FINISH<br>CHEM FILM, CLEAR,<br>PER MIL-C-5541, CLASS 3 | MANUF            | TP                | DATE       | 11/05           | TITLE<br>OUTLINE, COUP., 90°, .8 - 2.1 GHz. 150W |           |                 |           |
|  | CAGE CODE: 437R2 |                   |            |                 |  |           |                 |           |
| TOLERANCE<br>IN [MM]                                   | .xx ±.02 [.50]   | .xxx ±.005 [.127] | ANG. ±1/2° | SHEET OF<br>1 1 | SCALE<br>4:1                                     | SIZE<br>B | P/N<br>IPP-2030 | REV.<br>E |