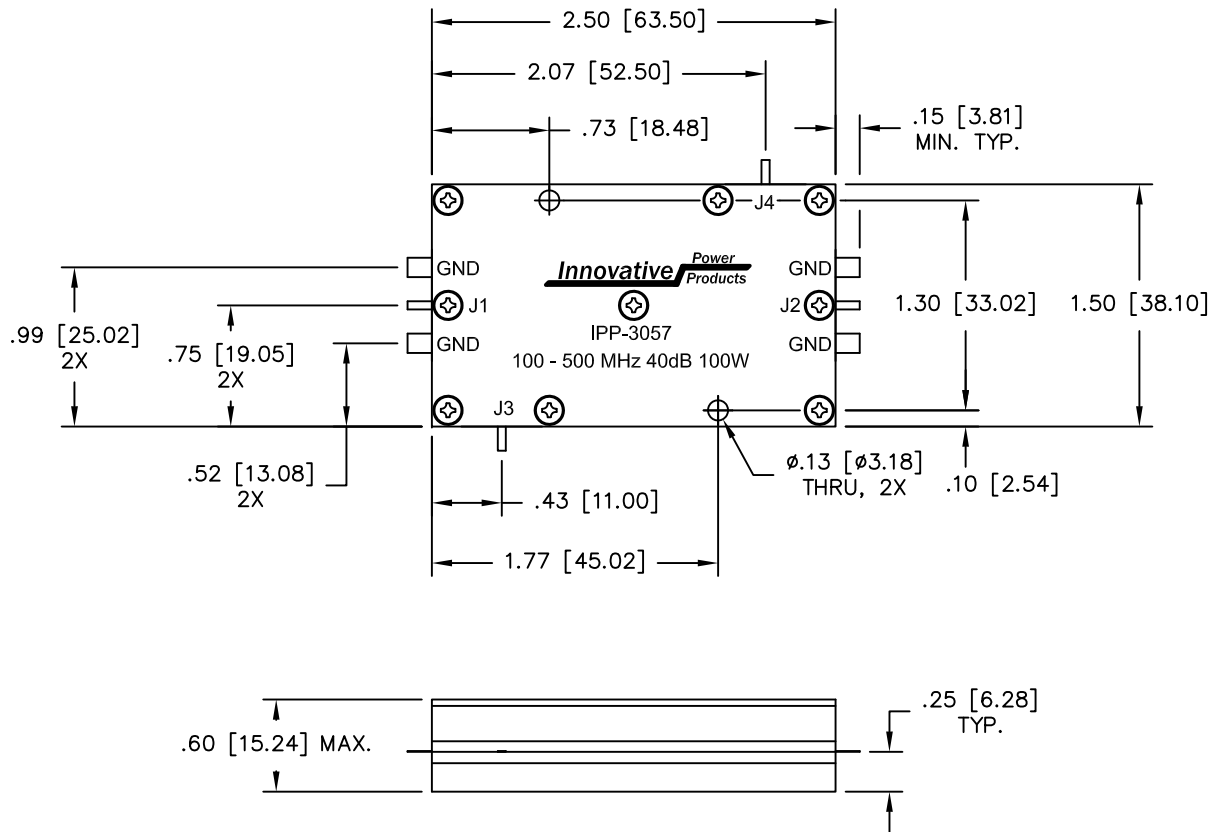


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE |
|------|-----|-----------------|-------|------|
| 1453 | A   | INITIAL RELEASE | DG    | 6-08 |



J1: INPUT  
J2: OUTPUT  
J3: -40dB (FWD COUPLED)  
J4: -40dB (REFL. COUPLED)

**NOTES**

- J1 - J4: 0.050 X 0.005 SILVER TABS  
GND: 0.120 X 0.005 SILVER TABS

**ELECTRICAL SPECIFICATIONS**

FREQUENCY: 100 - 500 MHz.  
INSERTION LOSS: <0.25dB  
VSWR: <1.25:1  
COUPLING: 40.0 ±1.0dB  
DIRECTIVITY: >20dB  
COUPLED FLATNESS: ±0.50dB  
POWER: 100 WATT  
BASE PLATE TEMPERATURE: -40°C TO 105°C

|           |                                      |                  |     |       |      |   |   |
|-----------|--------------------------------------|------------------|-----|-------|------|---|---|
| MATERIAL  | AL. ALLOY<br>6061-T651               | DWN              | DG  | DATE  | 6-08 | <b>Innovative</b> <i>Power</i><br><b>Products</b> | TITLE<br>DUAL DIRECTIONAL COUPLER<br>100 - 500 MHz. 100 WATT, 40 dB |
| FINISH    | CHEM FILM<br>CLEAR IRRIDITE          | ENG              | TJD | DATE  | 6-08 |   |   |
| TOLERANCE | .XX ±.02<br>.XXX ±.010<br>ANG. ±1/2° | MANUF            | TP  | DATE  | 6-08 |   |   |
|           |                                      | CAGE CODE: 437R2 |     |       |      | SIZE  | P/N   |
|           |                                      | SHEET            | OF  | SCALE |      | B   | IPP-3057  |
|           |                                      | 1                | 1   | .75:1 |      |   | REV.<br>A   |