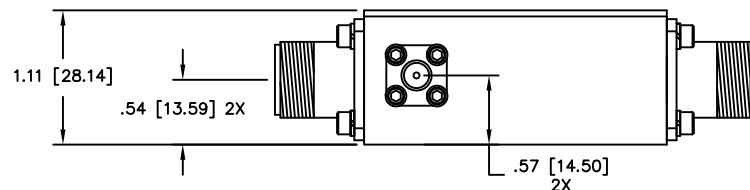
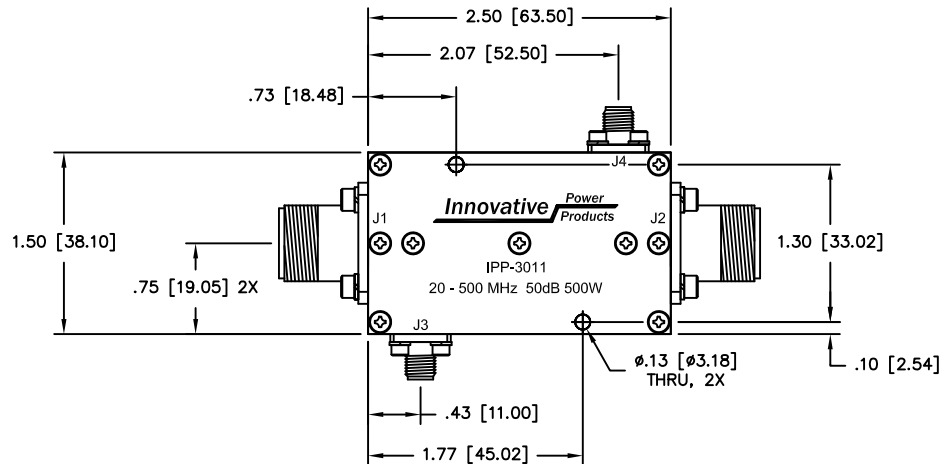


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE  |
|------|-----|-----------------|-------|-------|
| 1234 | A   | INITIAL RELEASE | TJD   | 11-06 |
| 3617 | B   | SEE DAR         | TJD   | 4-12  |
| 4469 | C   | SEE DAR         | DG    | 7-13  |
| 5424 | D   | SEE DAR         | DG    | 2-15  |



#### NOTES

- CONNECTOR TYPE J1 - J2: TYPE "N" FEMALE  
J3 - J4: TYPE "SMA" FEMALE
- RoHS COMPLIANT.

#### ELECTRICAL SPECIFICATIONS

|                   |               |
|-------------------|---------------|
| FREQUENCY:        | 20 - 500 MHz. |
| INSERTION LOSS:   | <0.20dB       |
| MAIN LINE VSWR:   | <1.25:1       |
| COUPLING:         | 50.0 ±1.0dB   |
| DIRECTIVITY:      | >20dB         |
| COUPLED FLATNESS: | ±0.50dB       |
| POWER:            | 500 WATT      |
| TEMPERATURE:      | -55°C TO 85°C |

| INPUT | OUTPUT | FORWARD COUPLING | REFLECTED COUPLING |
|-------|--------|------------------|--------------------|
| J1    | J2     | J3               | J4                 |
| J2    | J1     | J4               | J3                 |

|                                                                                              |                  |     |       |       |                                                                                |          |      |
|----------------------------------------------------------------------------------------------|------------------|-----|-------|-------|--------------------------------------------------------------------------------|----------|------|
| MATERIAL<br>AL. ALLOY<br>6061-T651                                                           | DWN              | DG  | DATE  | 11-06 | <div><div><div>Innovative</div><div>Power</div><div>Products</div></div></div> |          |      |
|                                                                                              | ENG              | TJD | DATE  | 11-06 |                                                                                |          |      |
| FINISH<br>CHEM FILM, CLEAR, PER MIL-DTL-5541,<br>TYPE 2, REV. F, CLASS 3 (ROHS<br>COMPLIANT) | MANUF            | TP  | DATE  | 11-06 | TITLE<br>DUAL DIRECTIONAL COUPLER<br>20 - 500 MHz. 500 WATT, 50 dB             |          |      |
|                                                                                              | CAGE CODE: 437R2 |     |       |       |                                                                                |          |      |
| TOLERANCE<br>.XX ±.02<br>.XXX ±.005<br>ANG. ±1/2°                                            | SHEET            | OF  | SCALE |       | SIZE                                                                           | P/N      | REV. |
|                                                                                              | 1                | 1   | 1:1   |       | B                                                                              | IPP-3011 | D    |