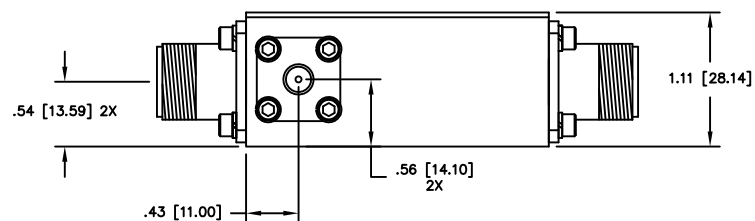
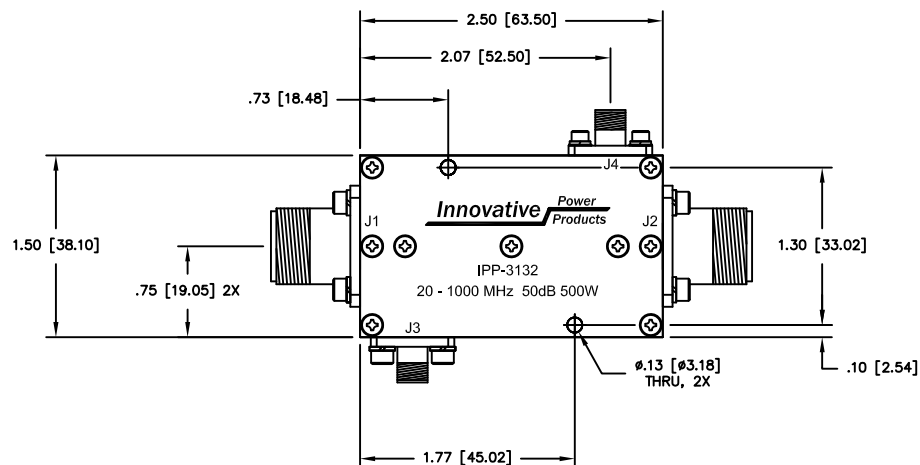


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE  |
|------|-----|-----------------|-------|-------|
| 2771 | A   | INITIAL RELEASE | TJD   | 10-10 |
| 3031 | B   | SEE DAR         | TJD   | 4-11  |
| 4469 | C   | SEE DAR         | DG    | 8-13  |
| 5159 | D   | SEE DAR         | DG    | 9-14  |



NOTES

1. CONNECTOR J1 & J2: TYPE "N" FEMALE  
CONNECTOR J3 & J4: TYPE "SMA" FEMALE
2. RoHS COMPLIANT.

## ELECTRICAL SPECIFICATIONS

|                   |                |
|-------------------|----------------|
| FREQUENCY:        | 20 – 1000 MHz. |
| INSERTION LOSS:   | <0.35 dB       |
| MAIN LINE VSWR:   | <1.25:1        |
| DIRECTIVITY:      | >20dB          |
| COUPLING:         | 50.0±1.5dB     |
| COUPLED FLATNESS: | ±0.6dB         |
| POWER:            | 500 WATT       |
| TEMPERATURE:      | –55°C TO 85°C  |

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

|           |                                                                               |       |     |            |       |                                                                                    |                                                            |      |
|-----------|-------------------------------------------------------------------------------|-------|-----|------------|-------|------------------------------------------------------------------------------------|------------------------------------------------------------|------|
| MATERIAL  | AL. ALLOY<br>6061-T651                                                        | DWN   | DG  | DATE       | 10-10 | <div><div><i>Innovative</i></div><div><i>Power</i><br/><i>Products</i></div></div> |                                                            |      |
|           |                                                                               | ENG   | TJD | DATE       | 10-10 |                                                                                    |                                                            |      |
| FINISH    | CHEM FILM CLEAR<br>PER MIL-DTL-5541, TYPE 2, REV F,<br>CLASS 3 ROHS COMPLIANT | MANUF |     | DATE       |       | TITLE                                                                              | DUAL DIRECTIONAL COUPLER<br>20 - 1000 MHZ. 500 WATT, 50 dB |      |
|           |                                                                               |       |     | CAGE CODE: | 437R2 |                                                                                    |                                                            |      |
| TOLERANCE | .XX ±.02<br>.XXX ±.005<br>ANG. ±1/2°                                          | SHEET | OF  | SCALE      |       | SIZE                                                                               | P/N                                                        | REV. |
|           |                                                                               | 1     | 1   | 1:1        |       | B                                                                                  | IPP-3132                                                   | D    |