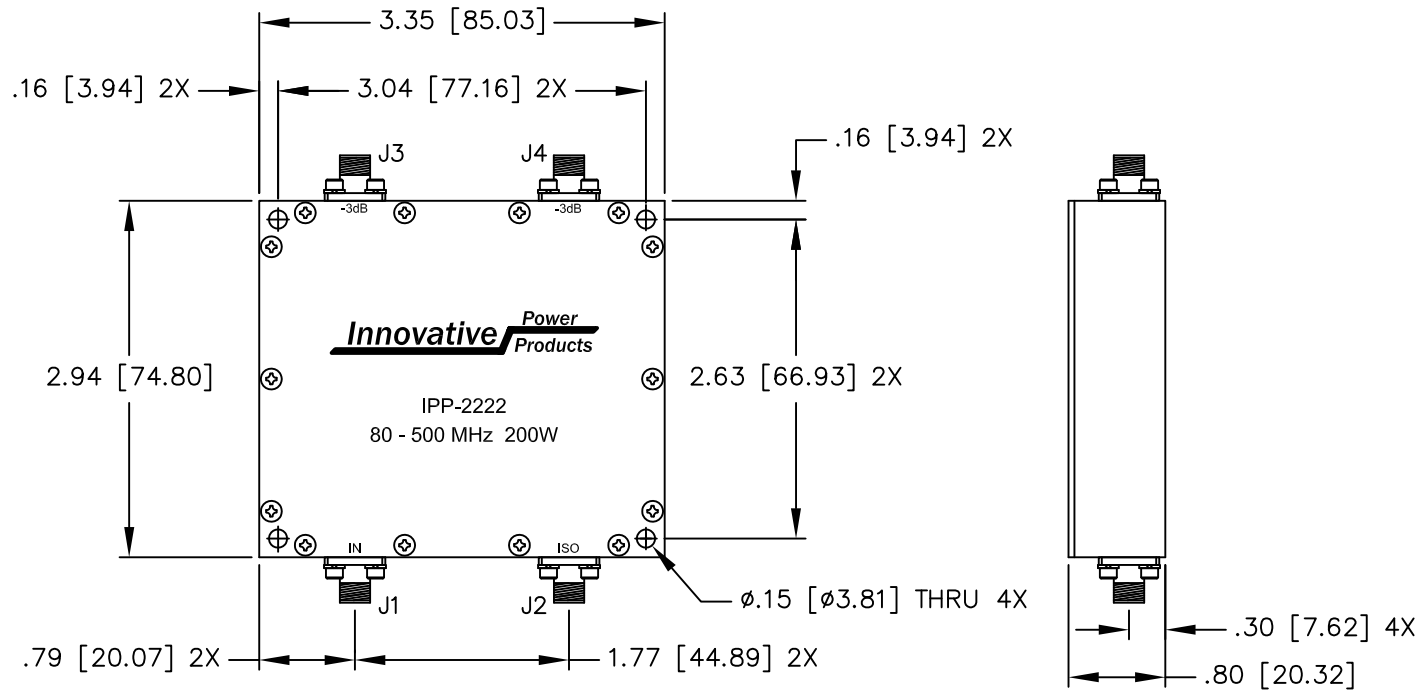


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE |
|------|-----|-----------------|-------|------|
| 2459 | A   | INITIAL RELEASE | DG    | 7-10 |
| 4810 | B   | SEE DAR         | DG    | 2-14 |



**NOTES**

- CONNECTORS: TYPE "SMA" FEMALE.
- SEE 90° APPLICATION NOTE FOR FURTHER INFORMATION.

**ELECTRICAL SPECIFICATIONS**

|                    |               |
|--------------------|---------------|
| FREQUENCY:         | 80 - 500 MHz. |
| INSERTION LOSS:    | < 0.75 dB     |
| VSWR:              | < 1.30:1      |
| ISOLATION:         | > 16 dB       |
| AMPLITUDE BALANCE: | $\pm$ 0.75 dB |
| PHASE BALANCE:     | $\pm$ 6°      |
| POWER:             | 200 WATT      |
| TEMPERATURE:       | -55°C TO 85°C |

| PORT CONFIGURATION |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|
| INPUT              | J1           | J2           | J3           | J4           |
| J1                 | ---          | ISOLATION    | -3dB<0 DEG   | -3dB<-90 DEG |
| J2                 | ISOLATION    | ---          | -3dB<-90 DEG | -3dB<0 DEG   |
| J3                 | -3dB<0 DEG   | -3dB<-90 DEG | ---          | ISOLATION    |
| J4                 | -3dB<-90 DEG | -3dB<0 DEG   | ISOLATION    | ---          |

|   |                  |              |  |              |
|---|------------------|--------------|--|--------------|
| MATERIAL<br>AL. ALLOY<br>6061-T651  | DWN S.Cornell    | DATE 4-20-10 | <b>Innovative Power Products</b>                 |              |
|   | ENG DG           | DATE 4-10    |  |              |
| FINISH CHEM FILM CLEAR<br>PER MIL-DTL-5541, TYPE 2, REV F<br>CLASS 3 ROHS COMPLIANT | MANUF            | DATE         | TITLE<br>OUTLINE, COUP., 90°, 80 - 500 MHz. 200W |              |
|   | CAGE CODE: 437R2 |              | SIZE B   | P/N IPP-2222 |
| TOLERANCE .XX $\pm$ .02<br>.XXX $\pm$ .010<br>ANG. $\pm$ 1/2°                       | SHEET OF 1 1     | SCALE 1:1    |  |              |