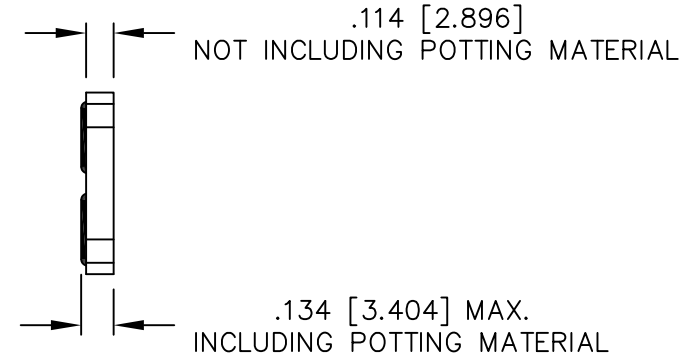
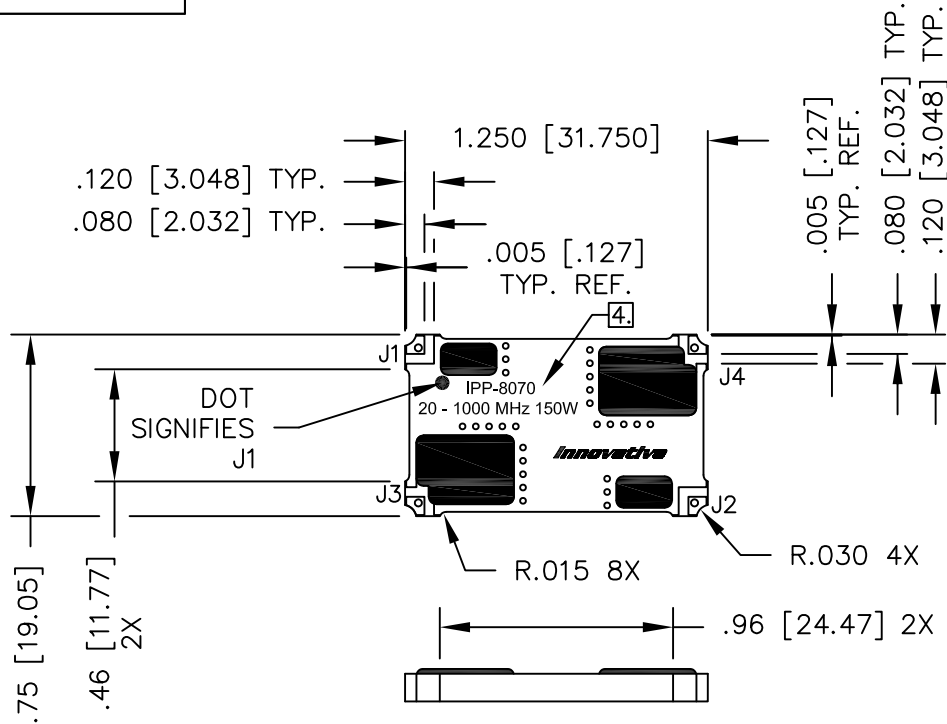


UNAUTHORIZED USE OF THIS
DRAWING IS STRICTLY PROHIBITED

| DAR | REV | DESCRIPTION | APPVD | DATE |
|------|-----|-------------|-------|------|
| 8013 | G | SEE DAR | TJD | 1-20 |
| 8626 | H | SEE DAR | TJD | 5-21 |
| 8888 | J | SEE DAR | DG | 1-22 |



NOTES:

- SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
- PARTS WITH RoHS TIN FINISH ARE RoHS COMPLIANT.
- AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
- SEE CHART FOR PART NUMBER, FINISH AND MAXIMUM REFLOW INSTALLATION TEMPERATURE.
- DATA AND SPECIFICATIONS APPLY WHEN PART IS MOUNTED IN IPP TEST FIXTURE TF-1198. TEST FIXTURE CONFIGURATION/FOOTPRINT AVAILABLE UPON REQUEST.

ELECTRICAL SPECIFICATIONS

FREQUENCY: 20 - 1000 MHz.
 INSERTION LOSS: <0.30 dB
 MAIN LINE VSWR: <1.30:1
 DIRECTIVITY: >20dB
 COUPLING: 50.0±1.5dB
 COUPLED FLATNESS: ±0.65dB
 POWER: 200 WATT; 20-500 MHz
 150 WATT; 500-1000 MHz
 TEMPERATURE: -55°C TO 85°C

[4.]

| FINISH AND MAX REFLOW TEMPERATURE | | |
|-----------------------------------|----------------|-----------------|
| P/N | TYPE | MAX REFLOW TEMP |
| IPP-8070 | TIN/LEAD | 220°C |
| IPP-8070RT | RoHS MATTE TIN | 260°C |

| PORT CONFIGURATION | | | |
|--------------------|--------|-----------------|-------------------|
| INPUT | OUTPUT | FORWARD COUPLED | REFLECTED COUPLED |
| J1 | J2 | J3 | J4 |
| J2 | J1 | J4 | J3 |

| | | | | | | |
|---|------------------|---------------|---------------------------------------|--------|--------------|--------|
| MATERIAL | DWN S.Cornell | DATE 10-11-12 | Innovative Power Products | | | |
| FINISH | ENG DG | DATE 10-12 | | | | |
| SEE FINISH CHART | MANUF | DATE | TITLE OUTLINE | | | |
| TOLERANCE | CAGE CODE: 437R2 | | SMD COUPLER, DDC, 20 - 1000 MHz. 150W | | | |
| IN [MM] | SHEET 1 | OF 1 | SCALE 2:1 | SIZE B | P/N IPP-8070 | REV. J |
| .XX ±.02 [.50] .XXX ±.010 [.254] ANG. ±1/2° | | | | | | |