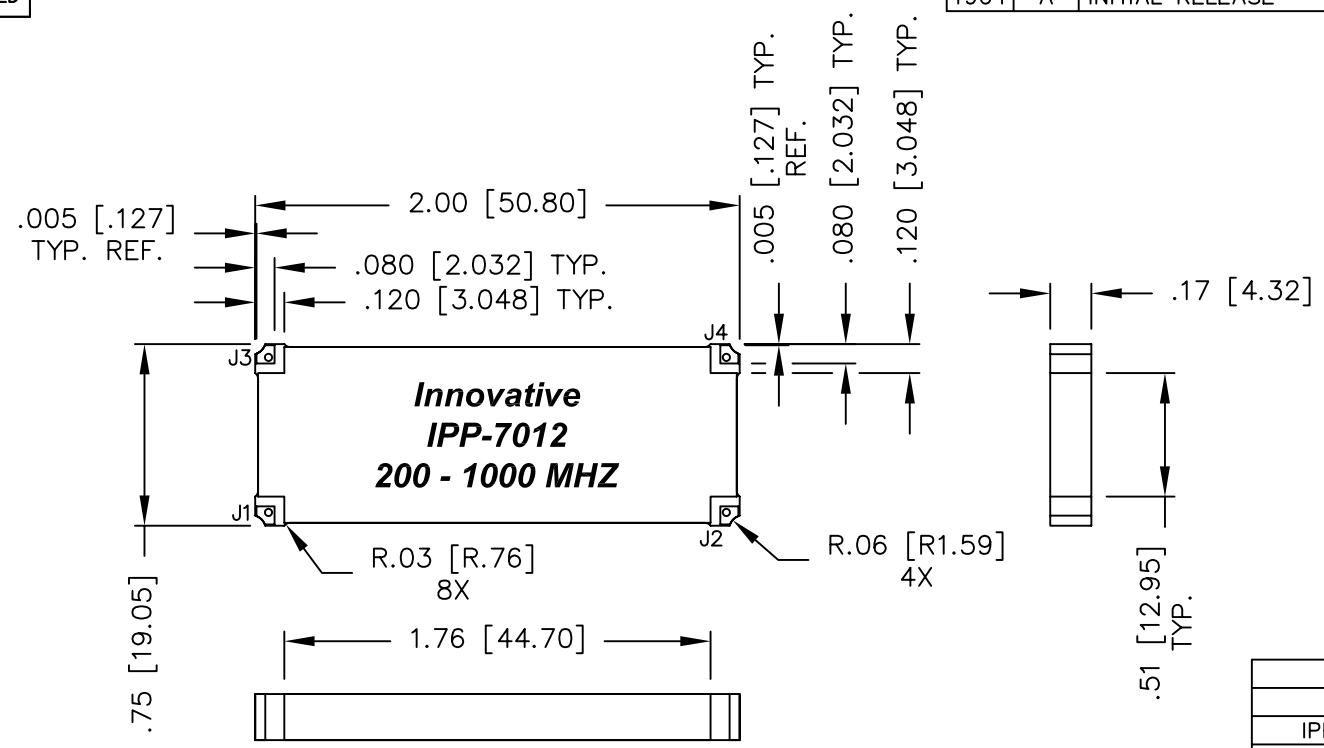
UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED

| DAR | REV | DESCRIPTION | APPVD | DATE |
|---|---|---|---|---|
| 1904 | A | INITIAL RELEASE | DG | 6-09 |




| FINISH | |
|---|---|
| P/N | TYPE |
| IPP-7012 | TIN/LEAD |
| IPP-7012RT | RoHS MATTE TIN |
| IPP-7012RG | RoHS NICKEL GOLD |

NOTES:
1. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
2. PARTS WITH RoHS MATT TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
3. AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.

ELECTRICAL SPECIFICATIONS

| | |
|---|---|
| FREQUENCY: | 200 – 1000 MHz. |
| INSERTION LOSS: | <0.60 dB |
| VSWR: | <1.30:1 |
| ISOLATION: | >16dB |
| AMPLITUDE BALANCE: | ±0.8dB |
| PHASE BALANCE: | ±5° |
| POWER: | 150 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 ——— | DWN DG | DATE 3-09 | Innovative Power Products |
| FINISH SEE CHART | ENG TJD | DATE 3-09 | TITLE OUTLINE SMD COUPLER, 90°, 200 - 1000 MHz. 150W |
| | MANUF TP | DATE 3-09 | |
| TOLERANCE IN [MM] .XX ±.02 [.50] .XXX ±.010 [.254] ANG. ±1/2° | CAGE CODE: 437R2 | | |
| | SHEET 1 OF 1 | SCALE 2:1 | SIZE B / P/N IPP-7012* / REV. A |