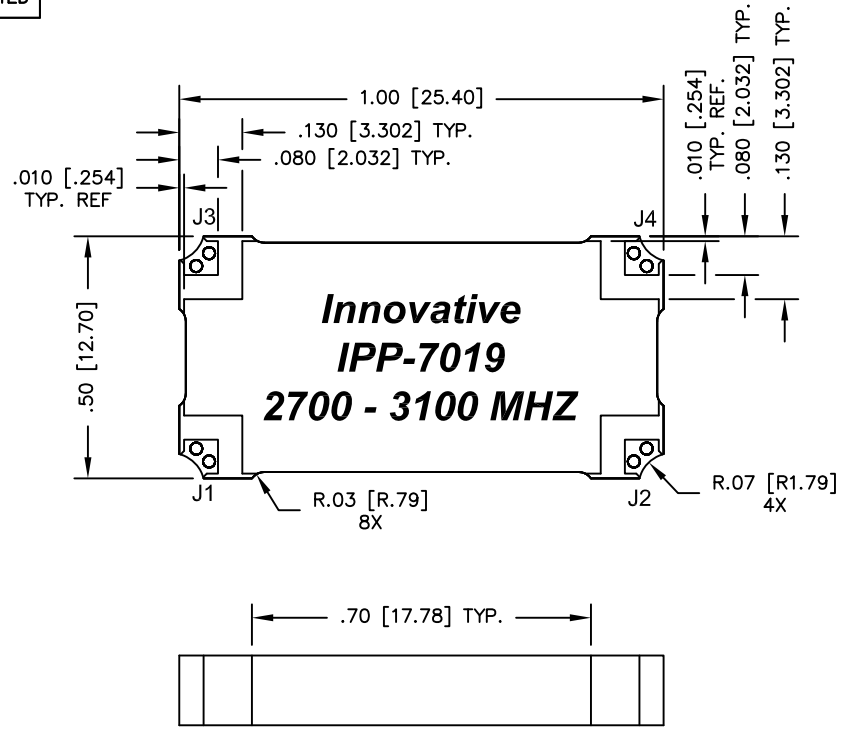


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE |
|------|-----|-----------------|-------|------|
| 2235 | A   | INITIAL RELEASE | TJD   | 1-10 |



| FINISH     |                  |
|------------|------------------|
| P/N        | TYPE             |
| IPP-7019   | TIN/LEAD         |
| IPP-7019RT | RoHS MATTE TIN   |
| IPP-7019RC | 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: 2700 - 3100 MHz.  
 INSERTION LOSS: < 0.30 dB  
 VSWR: < 1.30:1  
 ISOLATION: > 18 dB  
 AMPLITUDE BALANCE: ±0.30 dB  
 PHASE BALANCE: ±5°  
 POWER: 300 WATT  
 TEMPERATURE: -55°C TO 85°C

| PORT CONFIGURATION |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|
| INPUT              | A            | B            | C            | D            |
| 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 5-08 |   |        |               |        |
| FINISH           | ENG TJD          | DATE 5-08 |   |        |               |        |
| SEE FINISH CHART | MANUF TP         | DATE 5-08 | TITLE OUTLINE                           |        |               |        |
| TOLERANCE        | CAGE CODE: 437R2 |           | SMD COUPLER, 90°, 2700 - 3100 MHz. 300W |        |               |        |
| IN [MM]          | SHEET 1          | OF 1      | SCALE 4:1                               | SIZE B | P/N IPP-7019* | REV. A |