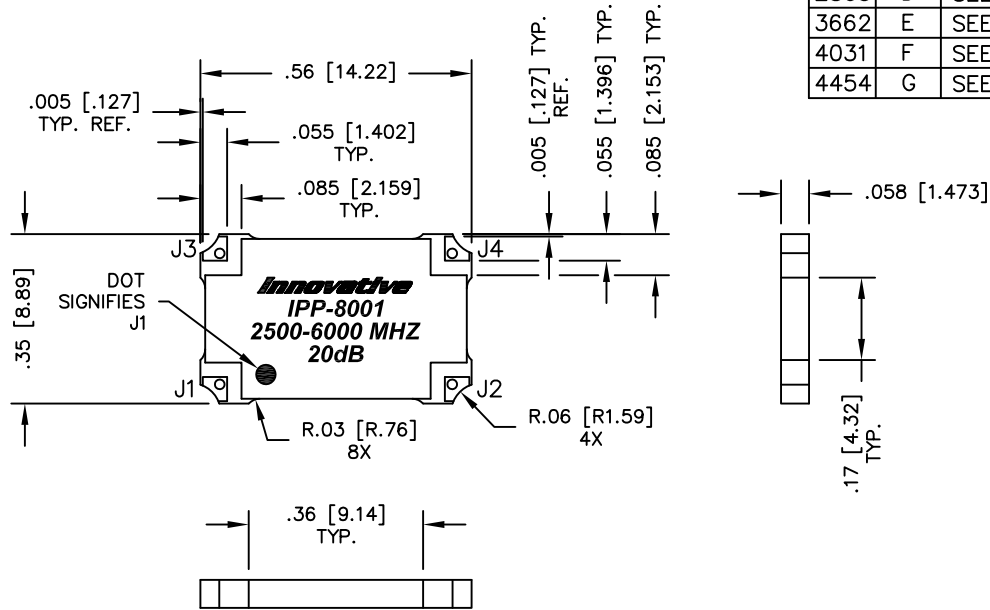


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE  |
|------|-----|-----------------|-------|-------|
| 1731 | A   | INITIAL RELEASE | DG    | 2-09  |
| 1754 | B   | SEE DAR         | DG    | 2-09  |
| 1912 | C   | SEE DAR         | DG    | 6-09  |
| 2803 | D   | SEE DAR         | TJD   | 11-10 |
| 3662 | E   | SEE DAR         | DG    | 5-12  |
| 4031 | F   | SEE DAR         | TJD   | 11-12 |
| 4454 | G   | SEE DAR         | DG    | 7-13  |



| FINISH     |                  |
|------------|------------------|
| P/N        | TYPE             |
| IPP-8001   | TIN/LEAD         |
| IPP-8001RT | RoHS MATTE TIN   |
| IPP-8001RG | RoHS NICKEL GOLD |

**NOTES:**

1. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
2. PARTS WITH RoHS MATTE 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: 2500 – 6000 MHz.  
 INSERTION LOSS: <0.25 dB  
 MAIN LINE VSWR: <1.30:1  
 COUPLING: 20dB ±1.0 dB  
 DIRECTIVITY: >20 dB  
 COUPLED FLATNESS: ±1.2 dB  
 POWER: 100 WATT  
 TEMPERATURE: –55°C TO 85°C

| PORT CONFIGURATION |        |                        |                        |
|--------------------|--------|------------------------|------------------------|
| INPUT              | OUTPUT | FORWARD COUPLED        | REFLECTED COUPLED      |
| J1                 | J2     | J3                     | J4 ADD 50Ω TERMINATION |
| J1                 | J2     | J3 ADD 50Ω TERMINATION | J4                     |
| J2                 | J1     | J4                     | J3 ADD 50Ω TERMINATION |
| J2                 | J1     | J4 ADD 50Ω TERMINATION | J3                     |

|                   |                  |           |                            |           |
|-------------------|------------------|-----------|----------------------------|-----------|
| MATERIAL          | DWN DG           | DATE 2-09 |                            |           |
| FINISH            | ENG TJD          | DATE 2-09 |                            |           |
| SEE FINISH CHART  | MANUF TP         | DATE 2-09 | TITLE                      |           |
| TOLERANCE         | CAGE CODE: 437R2 |           | OUTLINE, SMD COUPLER       |           |
| IN [MM]           | SHEET OF         | SCALE     | BDC, 2500 - 6000 MHz. 100W |           |
| .XX ±.02 [.50]    | 1 1              | 4:1       | SIZE                       | P/N       |
| .XXX ±.010 [.254] |                  |           | B                          | IPP-8001* |
| ANG. ±1/2°        |                  |           |                            | REV.      |
|                   |                  |           |                            | G         |