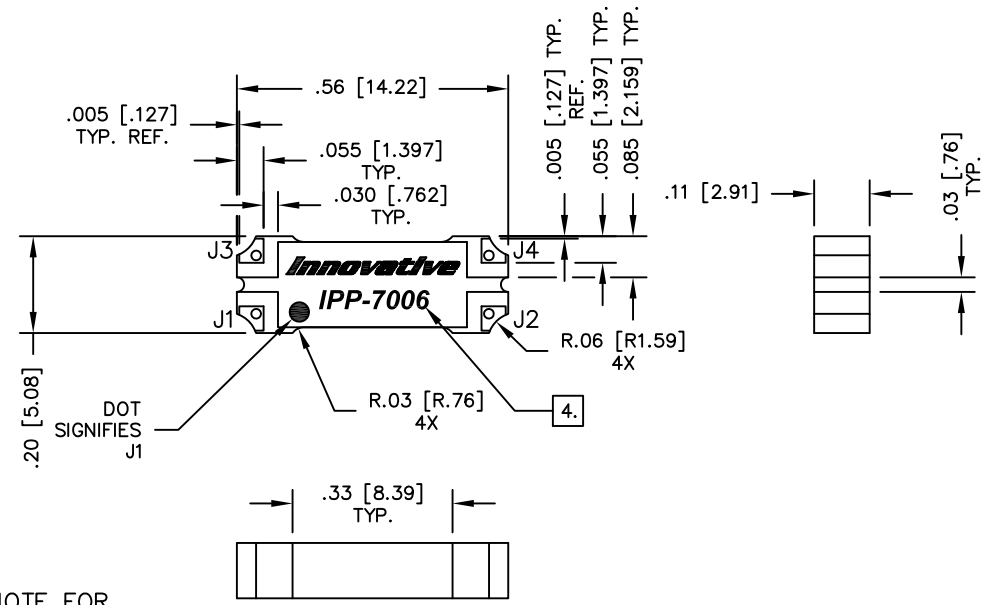


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION | APPVD | DATE |
|------|-----|-------------|-------|------|
| 3851 | E   | SEE DAR     | DG    | 8-12 |
| 6312 | F   | SEE DAR     | DG    | 7-16 |
| 7088 | G   | SEE DAR     | DG    | 3-18 |



| FINISH     |                  |
|------------|------------------|
| P/N        | TYPE             |
| IPP-7006   | TIN/LEAD         |
| IPP-7006RT | RoHS MATTE TIN   |
| IPP-7006RG | RoHS NICKEL GOLD |

- NOTES:**
- SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
  - PARTS WITH RoHS MATTE TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
  - AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
  - SEE CHART FOR PART NUMBER AND FINISH.

**ELECTRICAL SPECIFICATIONS**

FREQUENCY: 2000 – 6000 MHz.  
 INSERTION LOSS: <0.27 dB  
 VSWR: <1.30:1  
 ISOLATION: >18dB  
 AMPLITUDE BALANCE: ±1.0dB  
 PHASE BALANCE: ±5°  
 POWER: 100 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 7-08 |   |     |           |
| FINISH            | ENG TJD          | DATE 7-08 |   |     |           |
| TOLERANCE         | MANUF TP         | DATE 7-08 | TITLE OUTLINE                           |     |           |
| IN [MM]           | SEE FINISH CHART | DATE 7-08 | SMD COUPLER, 90°, 2000 - 6000 MHz. 100W |     |           |
| .XX ±.02 [.50]    | CAGE CODE: 437R2 |           | SIZE                                    | P/N | IPP-7006* |
| .XXX ±.010 [.254] | SHEET OF         | SCALE     | B                                       | G   |           |
| ANG. ±1/2°        | 1 1              | 4:1       |   |     |           |