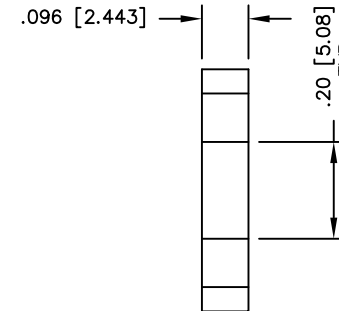
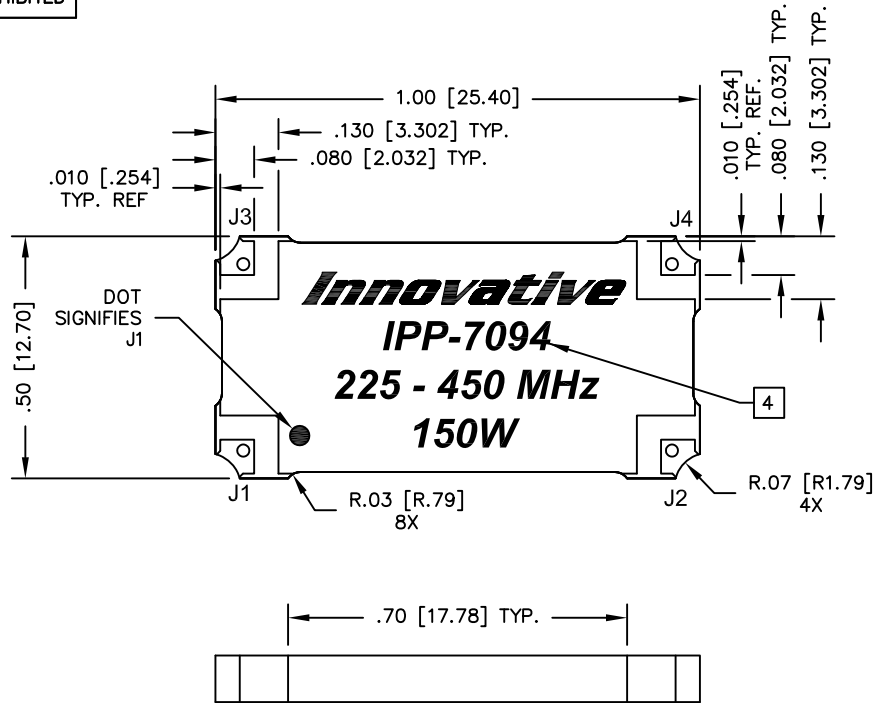


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION | APPVD | DATE  |
|------|-----|-------------|-------|-------|
| 6734 | C   | SEE DAR     | TJD   | 6-17  |
| 6992 | D   | SEE DAR     | DG    | 12-17 |
| 7870 | E   | SEE DAR     | TJD   | 10-19 |



| FINISH     |                  |
|------------|------------------|
| P/N        | TYPE             |
| IPP-7094   | TIN/LEAD         |
| IPP-7094RT | RoHS MATTE TIN   |
| IPP-7094RC | 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: 225 - 450 MHz.  
 INSERTION LOSS: < 0.30 dB  
 VSWR: < 1.25:1  
 ISOLATION: > 18 dB  
 AMPLITUDE BALANCE: ±0.45 dB  
 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   | 11-11 |   |
|                            | ENG   | TJD  | DATE   | 11-11 |   |
| FINISH<br>SEE FINISH CHART | MANUF   | DATE | TITLE<br>OUTLINE<br>SMD COUPLER, 90°, 225 - 450 MHz 150W |       |   |
|                            | CAGE CODE: 437R2                                  |      | SIZE   | P/N   |   |
| TOLERANCE                  | SHEET OF  |      | SCALE  | REV.  |   |
| IN [MM]                    | .XX ±.02 [.50]<br>.XXX ±.010 [.254]<br>ANG. ±1/2° | 1 1  | 4:1  | B     | E |