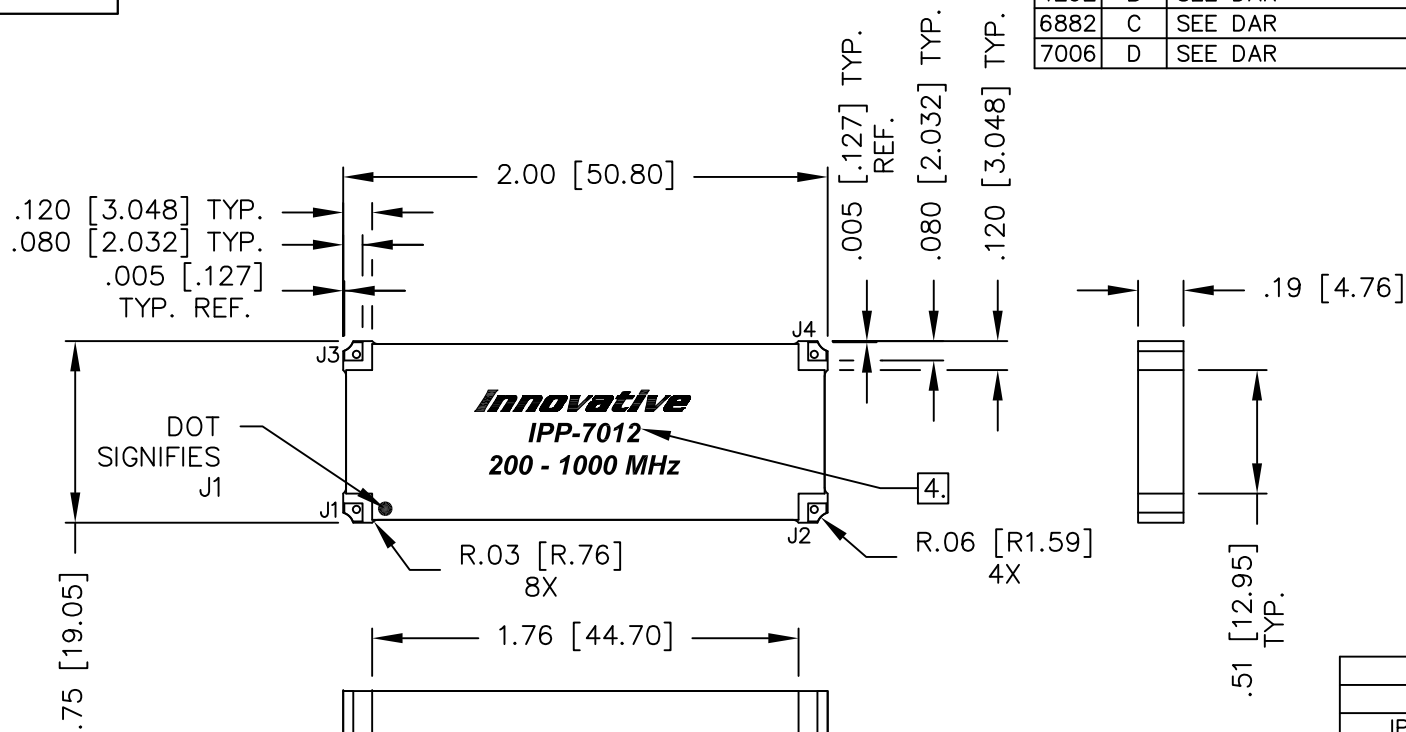


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION | APPVD | DATE |
|------|-----|-------------|-------|------|
| 4292 | B   | SEE DAR     | DG    | 5-13 |
| 6882 | C   | SEE DAR     | DG    | 9-17 |
| 7006 | D   | SEE DAR     | DG    | 1-18 |



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.

4. SEE CHART FOR PART NUMBER AND FINISH.

## ELECTRICAL SPECIFICATIONS

FREQUENCY: 200 – 1000 MHz.  
 INSERTION LOSS: <0.60 dB  
 VSWR: <1.30:1  
 ISOLATION: >16dB  
 AMPLITUDE BALANCE:  $\pm 0.8$ dB  
 PHASE BALANCE:  $\pm 5^\circ$   
 POWER: 150 WATT  
 TEMPERATURE:  $-55^\circ\text{C}$  TO  $85^\circ\text{C}$

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

| 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 |  |               |        |
| FINISH                                                       |  | ENG              | TJD | DATE      | 3-09 |                                                                                       |               |        |
| SEE CHART                                                    |  | MANUF TP         |     | DATE      | 3-09 | TITLE OUTLINE                                                                         |               |        |
| TOLERANCE                                                    |  | CAGE CODE: 437R2 |     |           |      | SMD COUPLER, 90°, 200 - 1000 MHZ. 150W                                                |               |        |
| IN [MM]    .XX ±.02 [.50]<br>.XXX ±.010 [.254]<br>ANG. ±1/2° |  | SHEET 1 OF 1     |     | SCALE 2:1 |      | SIZE B                                                                                | P/N IPP-7012* | REV. D |