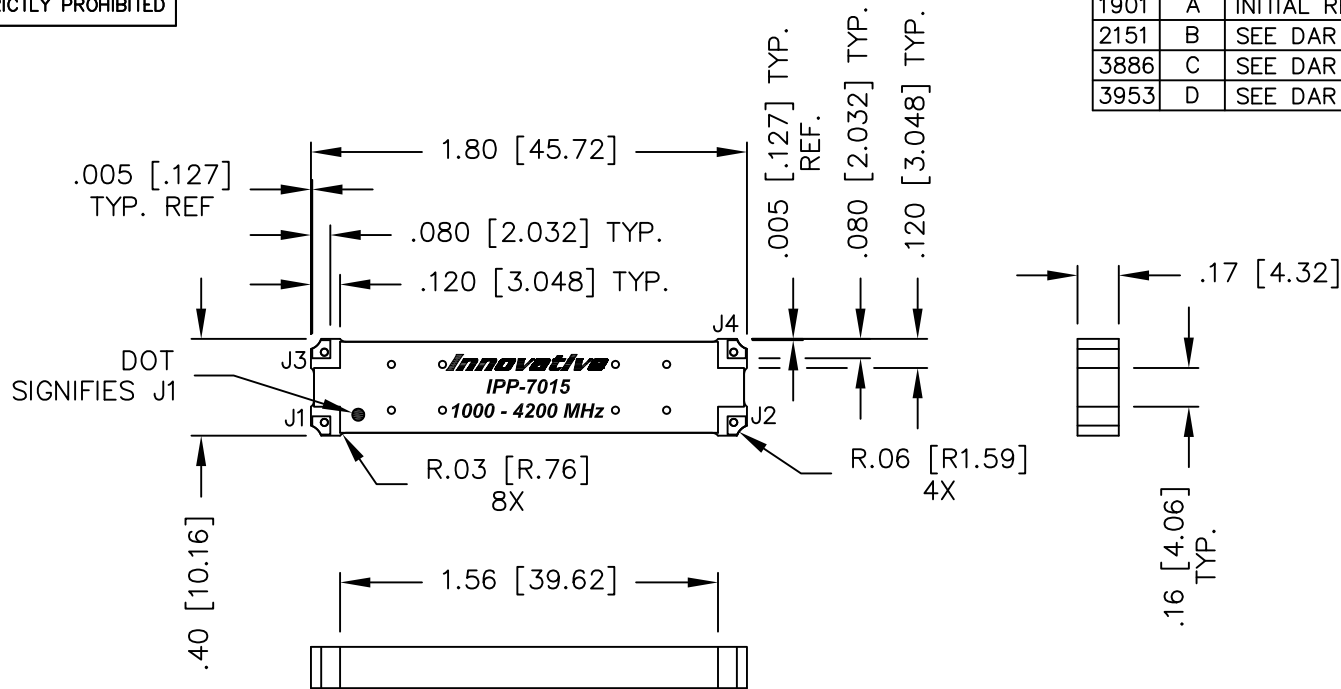


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

| DAR  | REV | DESCRIPTION     | APPVD | DATE  |
|------|-----|-----------------|-------|-------|
| 1901 | A   | INITIAL RELEASE | DG    | 6-09  |
| 2151 | B   | SEE DAR         | DG    | 11-09 |
| 3886 | C   | SEE DAR         | DG    | 8-12  |
| 3953 | D   | SEE DAR         | DG    | 10-12 |



#### 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:         | 1000 - 4200 MHz. |
| INSERTION LOSS:    | <0.50 dB         |
| VSWR:              | <1.30:1          |
| ISOLATION:         | >18dB            |
| AMPLITUDE BALANCE: | ±0.60dB          |
| PHASE BALANCE:     | ±5°              |
| POWER:             | 80 WATT          |
| TEMPERATURE:       | -55°C TO 85°C    |

| FINISH     |                  |
|------------|------------------|
| P/N        | TYPE             |
| IPP-7015   | TIN/LEAD         |
| IPP-7015RT | RoHS MATTE TIN   |
| IPP-7015RG | 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 S.Cornell    | DATE 5-19-09 | <div><i>Innovative</i> <sup>Power</sup><br/>Products</div> |                  |           |              |
| FINISH<br>SEE FINISH CHART | ENG TJD          | DATE 5-19-09 | TITLE OUTLINE<br>SMD COUPLER, 90°, 1000 - 4200 MHz. 80W    |                  |           |              |
|                            | MANUF RR         | DATE 5-19-09 |                                                            |                  |           |              |
| TOLERANCE<br>IN [MM]       | CAGE CODE: 437R2 |              | SIZE<br>B                                                  | P/N<br>IPP-7015* | REV.<br>D |              |
|                            | SHEET<br>1       | OF<br>1      |                                                            |                  |           | SCALE<br>2:1 |
|                            |                  |              |                                                            |                  |           |              |