

## 200 to 3600MHz – Dual Junction Drop in Isolator

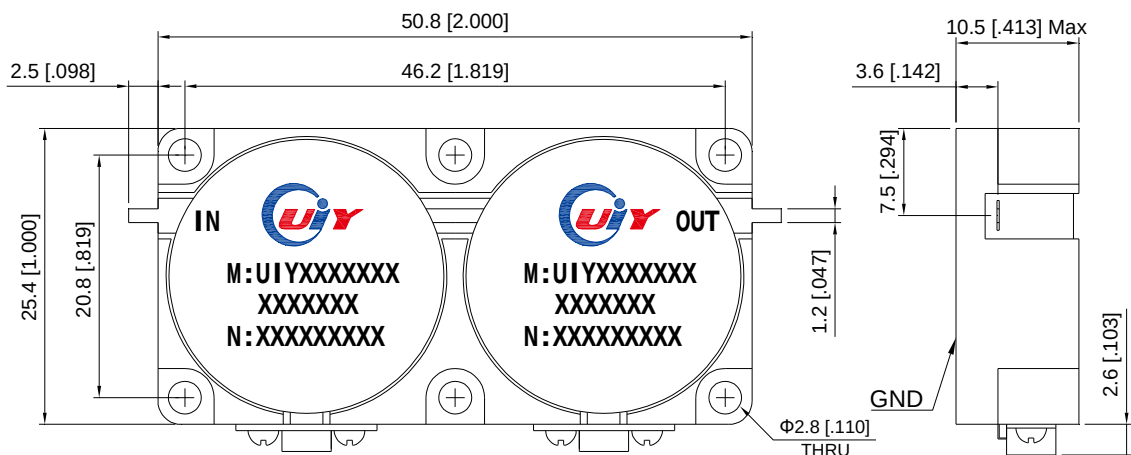
### Design Features

- ◆ Can be Dual Junction or Multiple for high isolation.
- ◆ Custom design available upon request.
- ◆ Military, space and commercial applications.
- ◆ Support one year standard warranty.

### RF Characteristics

| Model Number         | Freq. Range (MHz) | Insertion Loss Max(dB) | Isolation Min(dB) | VSWR Max | Forward Power(W) | Reverse Power(W) | Connector Type | Temp.(°C) |
|----------------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYDDI5025A210T220   | 210 ~ 220         | 1.2                    | 36                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A220T230   | 220 ~ 230         | 1.0                    | 36                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A250T270   | 250 ~ 270         | 1.0                    | 36                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A300T320   | 300 ~ 320         | 1.0                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A350T370   | 350 ~ 370         | 0.8                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A380T460   | 380 ~ 460         | 1.0                    | 34                | 1.35     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A400T470   | 400 ~ 470         | 0.5                    | 18                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A410T425   | 410 ~ 425         | 0.6                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A430T470   | 430 ~ 470         | 0.8                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A450T520   | 450 ~ 520         | 1.0                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A490T510   | 490 ~ 510         | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A600T700   | 600 ~ 700         | 0.6                    | 40                | 1.2      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A700T803   | 700 ~ 803         | 0.6                    | 46                | 1.2      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A800T1000  | 800 ~ 1000        | 1.0                    | 36                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A860T960   | 860 ~ 960         | 0.6                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A869T894   | 869 ~ 894         | 0.4                    | 50                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A925T960   | 925 ~ 960         | 0.4                    | 50                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A950T1250  | 950 ~ 1250        | 1.0                    | 36                | 1.3      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A1200T1400 | 1200 ~ 1400       | 0.6                    | 46                | 1.2      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A1500T1700 | 1500 ~ 1700       | 0.6                    | 46                | 1.2      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A1710T2170 | 1710 ~ 2170       | 0.8                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A1805T1880 | 1805 ~ 1880       | 0.4                    | 50                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A1920T1990 | 1920 ~ 1990       | 0.4                    | 50                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2000T2500 | 2000 ~ 2500       | 1.0                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2300T2500 | 2300 ~ 2500       | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2300T2700 | 2300 ~ 2700       | 0.6                    | 46                | 1.2      | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2400T2600 | 2400 ~ 2600       | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2496T2690 | 2496 ~ 2690       | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2500T2700 | 2500 ~ 2700       | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A2700T3100 | 2700 ~ 3100       | 0.5                    | 46                | 1.15     | 200              | 30               | TAB            | -40 ~ +85 |
| UIYDDI5025A3000T3600 | 3000 ~ 3600       | 0.6                    | 40                | 1.25     | 200              | 30               | TAB            | -40 ~ +85 |

### Mechanical Drawing



Unit: mm/ inch, General part tolerance is  $\pm 2\%$  unless otherwise stated.

Ver. 5.3