

# 1.0 to 3.8GHz – Drop in Circulator

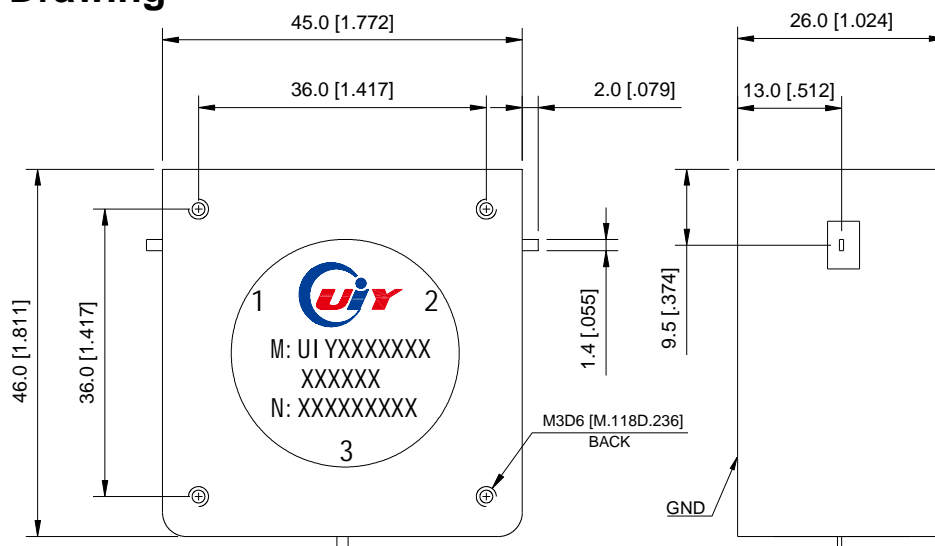
## Design Features

- ◆ Can be dual junction or multiple for high isolation.
- ◆ Military, space and commercial applications.
- ◆ High RF performance, ultra-competitive price.
- ◆ 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) |
|---------------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYDC4546A1000T1050 | 1000 ~ 1050       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1070T1210 | 1070 ~ 1210       | 0.4                    | 20                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1350T1550 | 1350 ~ 1550       | 0.4                    | 20                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1500T1700 | 1500 ~ 1700       | 0.4                    | 20                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1710T1785 | 1710 ~ 1785       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1700T1900 | 1700 ~ 1900       | 0.4                    | 23                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1700T2100 | 1700 ~ 2100       | 0.4                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1805T2170 | 1805 ~ 2170       | 0.4                    | 20                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1805T1880 | 1805 ~ 1880       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1900T2200 | 1900 ~ 2200       | 0.4                    | 23                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A1920T1990 | 1920 ~ 1990       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2000T2300 | 2000 ~ 2300       | 0.4                    | 20                | 1.25     | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2000T2500 | 2000 ~ 2500       | 0.5                    | 18                | 1.3      | 500              | 500              | TAB            | -20 ~ +80 |
| UIYDC4546A2110T2170 | 2110 ~ 2170       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2300T2500 | 2300 ~ 2500       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2350T2550 | 2350 ~ 2550       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2400T2600 | 2400 ~ 2600       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2500T2700 | 2500 ~ 2700       | 0.3                    | 23                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2700T3000 | 2700 ~ 3000       | 0.4                    | 20                | 1.2      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A2700T3100 | 2700 ~ 3100       | 0.5                    | 18                | 1.3      | 600              | 600              | TAB            | -40 ~ +85 |
| UIYDC4546A3100T3500 | 3100 ~ 3500       | 0.3                    | 20                | 1.25     | 400              | 400              | TAB            | -40 ~ +85 |
| UIYDC4546A3400T3800 | 3400 ~ 3800       | 0.4                    | 20                | 1.25     | 400              | 400              | TAB            | -40 ~ +85 |

## Mechanical Drawing



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

Ver. 5.1