# 300 to 1875MHz – Drop in Circulator

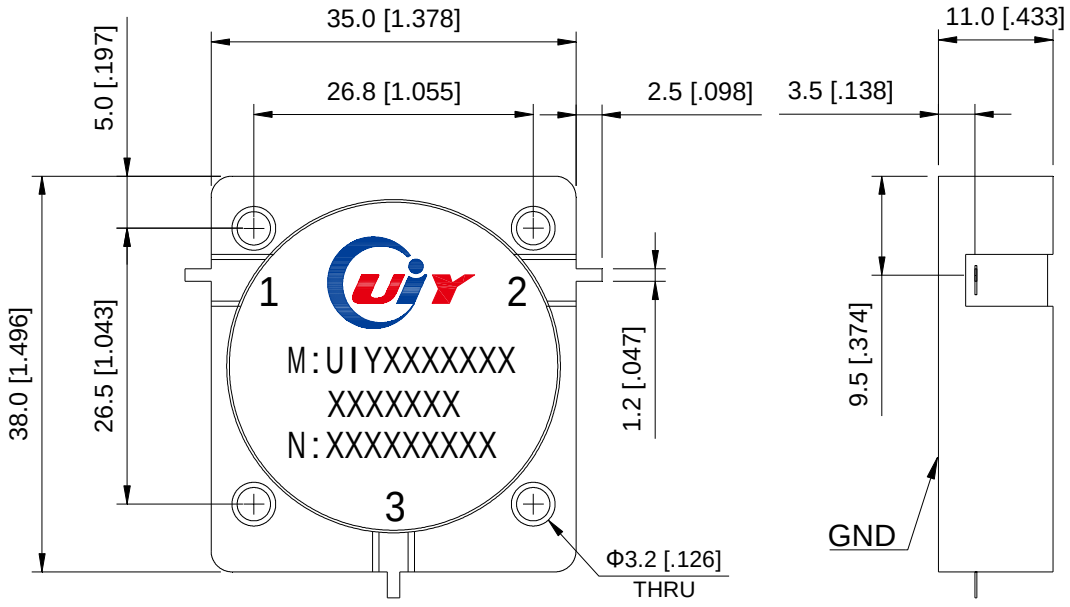
## Design Features

- Can be dual junction even three for high isolation.
- Military, space and commercial applications.
- Custom design available upon request.
- Guaranteed for one year standard.

## 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.(℃) |
|---|---|---|---|---|---|---|---|---|
| UIYDC3538A300T320 | 300 ~ 320 | 0.8 | 18 | 1.3 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A309T339 | 309 ~ 339 | 0.7 | 18 | 1.3 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A350T370 | 350 ~ 370 | 0.3 | 23 | 1.2 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A390T410 | 390 ~ 410 | 0.3 | 23 | 1.2 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A400T470 | 400 ~ 470 | 0.5 | 20 | 1.25 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A413T419 | 413 ~ 419 | 0.3 | 30 | 1.15 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A419T425 | 419 ~ 425 | 0.3 | 30 | 1.15 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A440T470 | 440 ~ 470 | 0.3 | 23 | 1.2 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A470T570 | 470 ~ 570 | 0.45 | 19 | 1.25 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A570T670 | 570 ~ 670 | 0.4 | 20 | 1.25 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A600T800 | 600 ~ 800 | 0.5 | 18 | 1.3 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A670T770 | 670 ~ 770 | 0.4 | 20 | 1.25 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A700T900 | 700 ~ 900 | 0.4 | 20 | 1.25 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A700T1000 | 700 ~ 1000 | 0.8 | 16 | 1.4 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A770T860 | 770 ~ 860 | 0.35 | 23 | 1.2 | 300 | 300 | TAB | -20 ~ +65 |
| UIYDC3538A860T872 | 860 ~ 872 | 0.3 | 30 | 1.15 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A900T930 | 900 ~ 930 | 0.3 | 30 | 1.15 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A1000T1300 | 1000 ~ 1300 | 0.4 | 20 | 1.25 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A1296T1298 | 1296 ~ 1298 | 0.3 | 25 | 1.15 | 300 | 300 | TAB | -30 ~ +70 |
| UIYDC3538A1500T1800 | 1500 ~ 1800 | 0.4 | 20 | 1.25 | 300 | 300 | TAB | -30 ~ +70 |

## Mechanical Drawing




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

Ver. 5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