

## 4 to 7GHz – Dual Junction Drop in Circulator

## 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<br>(GHz) | Insertion Loss<br>(1-2)<br>Max(dB) | Isolation<br>(2-1)<br>Min(dB) | VSWR<br>Max | Forward<br>Power(W) | Reverse<br>Power(W) | Connector<br>Type | Temp.(°C) |
|--------------------|----------------------|------------------------------------|-------------------------------|-------------|---------------------|---------------------|-------------------|-----------|
| UIYDDC2420A45T5    | 4.5 ~ 5.0            | 0.8                                | 40                            | 1.25        | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A47T52   | 4.7 ~ 5.2            | 0.8                                | 40                            | 1.25        | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A5T58    | 5.0 ~ 5.8            | 0.8                                | 40                            | 1.25        | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A5T6     | 5.0 ~ 6.0            | 1.0                                | 36                            | 1.3         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A52T59   | 5.2 ~ 5.9            | 0.8                                | 40                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A54T59   | 5.4 ~ 5.9            | 0.8                                | 45                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A55T6    | 5.6 ~ 6.0            | 0.6                                | 45                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A57T59   | 5.7 ~ 5.9            | 0.6                                | 45                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A57T65   | 5.7 ~ 6.5            | 1.0                                | 40                            | 1.25        | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A6T7     | 6.0 ~ 7.0            | 0.7                                | 45                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |
| UIYDDC2420A635T655 | 6.35 ~ 6.55          | 0.6                                | 45                            | 1.2         | 60                  | 60                  | TAB               | -40 ~ +85 |

<sup>2</sup> Listed are specific frequency ranges and tailor-made ranges are available.

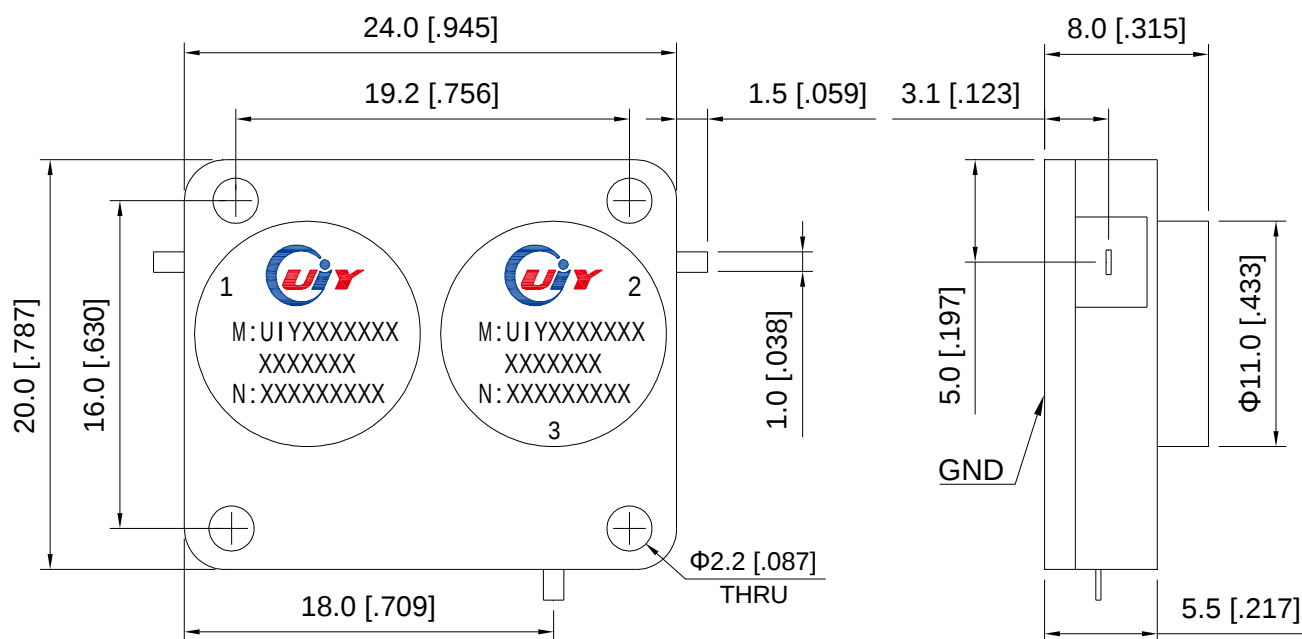
<sup>2</sup> Please provide the information below when inquiring and mark \* is required.

- \* 1. The specific frequency ranges

- \* 2. Power handling (Forward, Reverse, Peak, etc.)

3. Other special requests (Insertion Loss, Isolation, VSWR, Temperature, Dimension, etc.)

## Mechanical Drawing



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

Ver. 5