

# 8 to 12GHz – Dual Junction Microstrip Circulator

## Magnetic Shield

### Design Features

- ◆ Can be in Dual Junction or Multi-Junction for higher isolation.
- ◆ High RF performance, ultra-competitive price.
- ◆ Military, space and commercial applications.
- ◆ Custom design available upon request.
- ◆ Support one year standard warranty.

### RF Characteristics

| Model Number    | Freq. Range (GHz) | Insertion Loss Max(dB) |      | Isolation Min(dB) |     |     |     | VSWR Max | Forward Power(W) | Reverse Power(W) | Connector Type | Temp.(°C) |
|-----------------|-------------------|------------------------|------|-------------------|-----|-----|-----|----------|------------------|------------------|----------------|-----------|
|                 |                   | 2-1                    | 1-3  | 1-2               | 2-3 | 3-1 | 3-2 |          |                  |                  |                |           |
| UIYDMC109B8T12  | 8.0 ~ 12.0        | 0.65                   | 1.1  | 14                | 16  | 28  | 16  | 1.35     | 10               | 5                | Microstrip     | -55 ~ +85 |
| UIYDMC109B83T93 | 8.3 ~ 9.3         | 0.45                   | 0.85 | 20                | 20  | 30  | 20  | 1.25     | 10               | 5                | Microstrip     | -55 ~ +85 |
| UIYDMC109B9T96  | 9.0 ~ 9.6         | 0.45                   | 0.85 | 20                | 20  | 30  | 20  | 1.25     | 10               | 5                | Microstrip     | -55 ~ +85 |
| UIYDMC109B9T10  | 9.0 ~ 10.0        | 0.5                    | 0.9  | 20                | 20  | 30  | 20  | 1.25     | 10               | 5                | Microstrip     | -55 ~ +85 |
| UIYDMC109B10T11 | 10.0 ~ 11.0       | 0.5                    | 0.9  | 20                | 20  | 30  | 20  | 1.25     | 10               | 5                | Microstrip     | -55 ~ +85 |

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

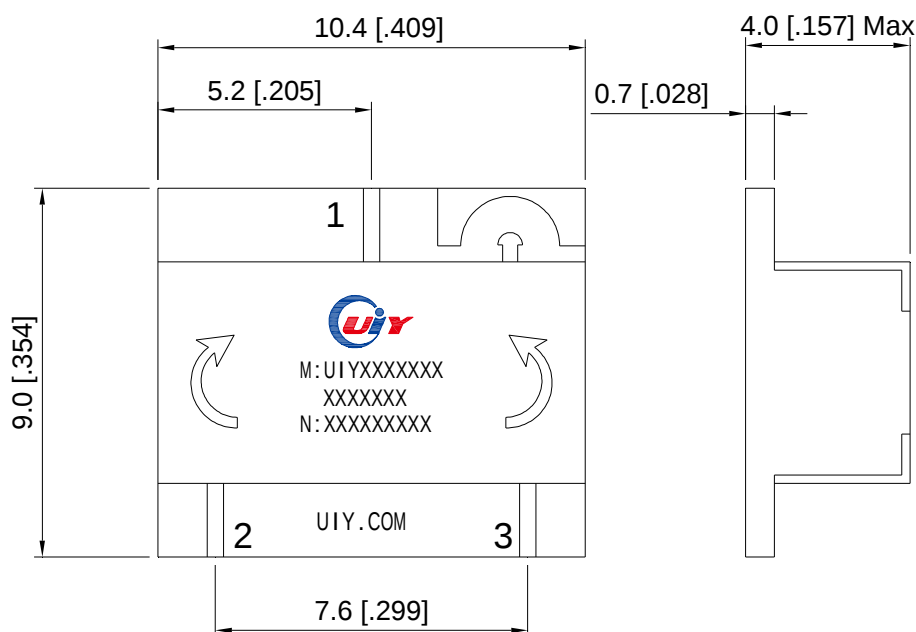
<sup>2</sup> Please provide the information below when inquiring and mark \* is required.

\* 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. 5.2

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