

## 3.9 to 5.9GHz – Microstrip Isolator

### Design Features

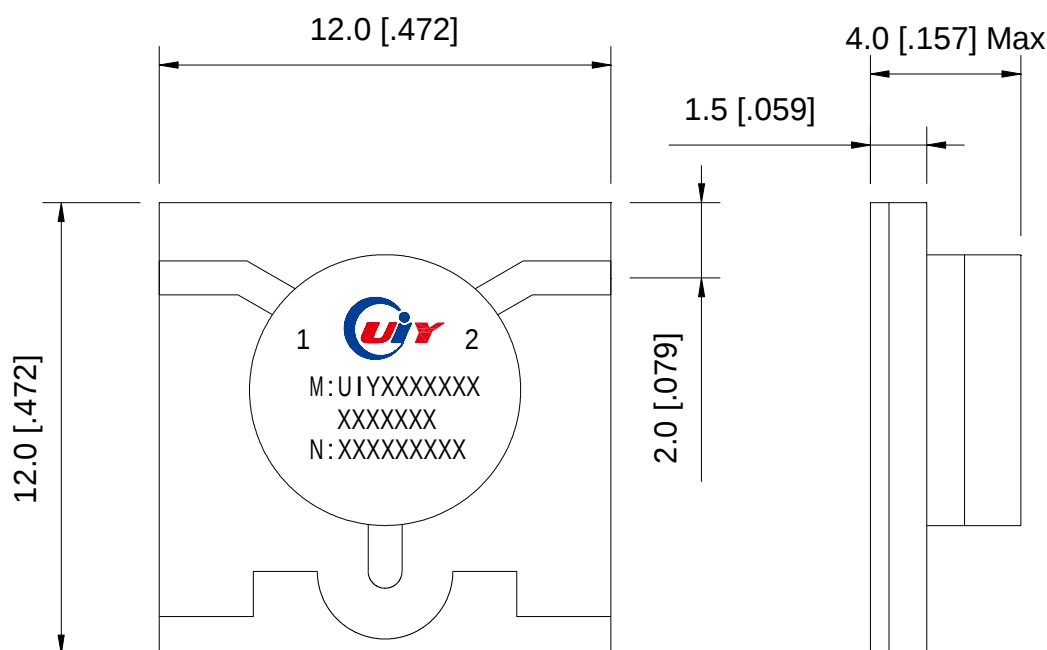
- ◆ Can be dual junction even three for high isolation.
- ◆ High RF performance, ultra-competitive price.
- ◆ Military, space and commercial applications.
- ◆ Custom design available upon request.
- ◆ Guaranteed for one year standard.

### 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) |
|-----------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYMI1212A39T43 | 3.9 ~ 4.3         | 0.4                    | 20                | 1.2      | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A4T45  | 4.0 ~ 4.5         | 0.4                    | 20                | 1.2      | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A42T54 | 4.2 ~ 5.4         | 0.6                    | 18                | 1.35     | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A44T47 | 4.4 ~ 4.7         | 0.4                    | 20                | 1.2      | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A44T59 | 4.4 ~ 5.9         | 0.7                    | 17                | 1.35     | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A46T5  | 4.6 ~ 5.0         | 0.4                    | 20                | 1.2      | 15               | 5                | Microstrip     | -55 ~ +85 |
| UIYMI1212A48T52 | 4.8 ~ 5.2         | 0.4                    | 20                | 1.2      | 15               | 5                | Microstrip     | -55 ~ +85 |

<sup>2</sup> List are specify frequency range and other ranges available.  
<sup>2</sup> Please enter below information when inquiry and mark \* is must.  
 \* 1. The specific frequency range  
 \* 2. Power handling (Forward, Reverse, Peak, etc.)  
 3. Other special request if have (Insertion Loss, Isolation, VSWR, Temperature, Dimension, etc.)

### Mechanical Drawing



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

Ver. 5