

## 4.8 to 12GHz – Surface Mount Circulator

### Design Features

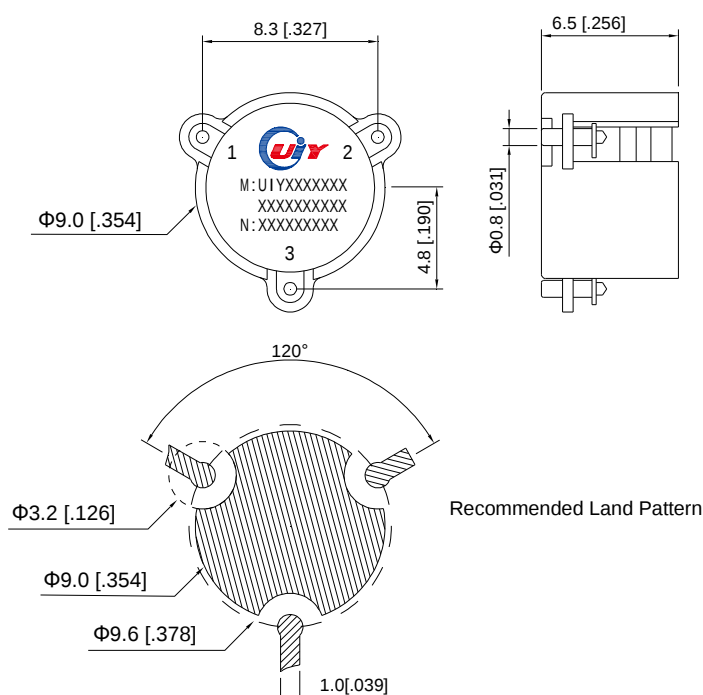
- ◆ High RF performance, ultra-competitive price.
- ◆ Military, space and commercial applications.
- ◆ Custom design available upon request.
- ◆ Guaranteed for one year standard.

### 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) |
|---------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYSC9B48T58  | 4.8 ~ 5.8         | 0.5                    | 18                | 1.3      | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B49T59  | 4.9 ~ 5.9         | 0.5                    | 18                | 1.3      | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B5T55   | 5.0 ~ 5.5         | 0.4                    | 20                | 1.25     | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B5T6    | 5.0 ~ 6.0         | 0.5                    | 18                | 1.3      | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B55T6   | 5.5 ~ 6.0         | 0.4                    | 20                | 1.25     | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B6T7    | 6.0 ~ 7.0         | 0.5                    | 18                | 1.3      | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B79T84  | 7.9 ~ 8.4         | 0.4                    | 20                | 1.25     | 30               | 30               | TAB            | -40 ~ +85 |
| UIYSC9B85T95  | 8.5 ~ 9.5         | 0.4                    | 20                | 1.25     | 30               | 30               | TAB            | -40 ~ +85 |
| UIYSC9B87T105 | 8.7 ~ 10.5        | 0.5                    | 18                | 1.3      | 30               | 30               | SMT            | -20 ~ +60 |
| UIYSC9B9T10   | 9.0 ~ 10.0        | 0.4                    | 20                | 1.25     | 30               | 30               | TAB            | -40 ~ +85 |
| UIYSC9B10T105 | 10.0 ~ 10.5       | 0.4                    | 20                | 1.25     | 30               | 30               | TAB            | -40 ~ +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.)

### Mechanical Drawing



Unit: mm/ inch, General part tolerance is  $\pm 0.2\text{mm}$  unless otherwise stated.

Ver. 5