

6 to 27.5GHz – Coaxial Isolator

Design Features

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

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) |
|------------------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYCI1318A6T8SF | 6.0 ~ 8.0 | 0.5 | 18 | 1.3 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A7T9SF | 7.0 ~ 9.0 | 0.5 | 20 | 1.25 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A74T77SF | 7.4 ~ 7.7 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A78T86SF | 7.8 ~ 8.6 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A8T10SF | 8.0 ~ 10.0 | 0.4 | 20 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A8T11SF | 8.0 ~ 11.0 | 0.4 | 20 | 1.25 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A8T12SF | 8.0 ~ 12.0 | 0.5 | 18 | 1.3 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A9T10SF | 9.0 ~ 10.0 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A9T11SF | 9.0 ~ 11.0 | 0.4 | 20 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A93T95SM | 9.3 ~ 9.5 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-M | -55 ~ +85 |
| UIYCI1318A10T13SF | 10.0 ~ 13.0 | 0.4 | 21 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A10T15SFTSM | 10.0 ~ 15.0 | 0.6 | 18 | 1.35 | 60 | 5 | SMA-F to SMA-M | -55 ~ +85 |
| UIYCI1318A107T133SFTSM | 10.7 ~ 13.3 | 0.35 | 23 | 1.2 | 60 | 5 | SMA-F to SMA-M | -55 ~ +85 |
| UIYCI1318A12T18SF | 12.0 ~ 18.0 | 0.5 | 18 | 1.3 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A1375T145SF | 13.75 ~ 14.5 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A138T178SF | 13.8 ~ 17.8 | 0.5 | 18 | 1.3 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A155T165SF | 15.5 ~ 16.5 | 0.3 | 23 | 1.2 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A16T18SF | 16.0 ~ 18.0 | 0.5 | 20 | 1.25 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A18T20SF | 18.0 ~ 20.0 | 0.5 | 20 | 1.25 | 60 | 5 | SMA-F | -55 ~ +85 |
| UIYCI1318A18T22SF | 18.0 ~ 22.0 | 0.6 | 18 | 1.3 | 30 | 5 | SMA-F | -40 ~ +85 |
| UIYCI1318A21T23SF | 21.0 ~ 23.0 | 0.5 | 20 | 1.25 | 30 | 5 | SMA-F | -40 ~ +85 |
| UIYCI1318A22T24SF | 22.0 ~ 24.0 | 0.5 | 20 | 1.25 | 30 | 5 | SMA-F | -40 ~ +85 |
| UIYCI1318A23T25SF | 23.0 ~ 25.0 | 0.5 | 20 | 1.25 | 30 | 5 | SMA-F | -40 ~ +85 |
| UIYCI1318A24T26KF | 24.0 ~ 26.0 | 0.5 | 20 | 1.25 | 30 | 5 | 2.92mm-F | -40 ~ +85 |
| UIYCI1318A2425T275KF | 24.25 ~ 27.5 | 0.6 | 18 | 1.3 | 30 | 5 | 2.92mm-F | -40 ~ +85 |
| UIYCI1318A25T27KF | 25.0 ~ 27.0 | 0.5 | 20 | 1.25 | 30 | 5 | 2.92mm-F | -40 ~ +85 |

² Listed are specific frequency ranges and tailor-made ranges are available.

² Please provide the information below when inquiring and mark * is required.

* 1. The specific frequency ranges

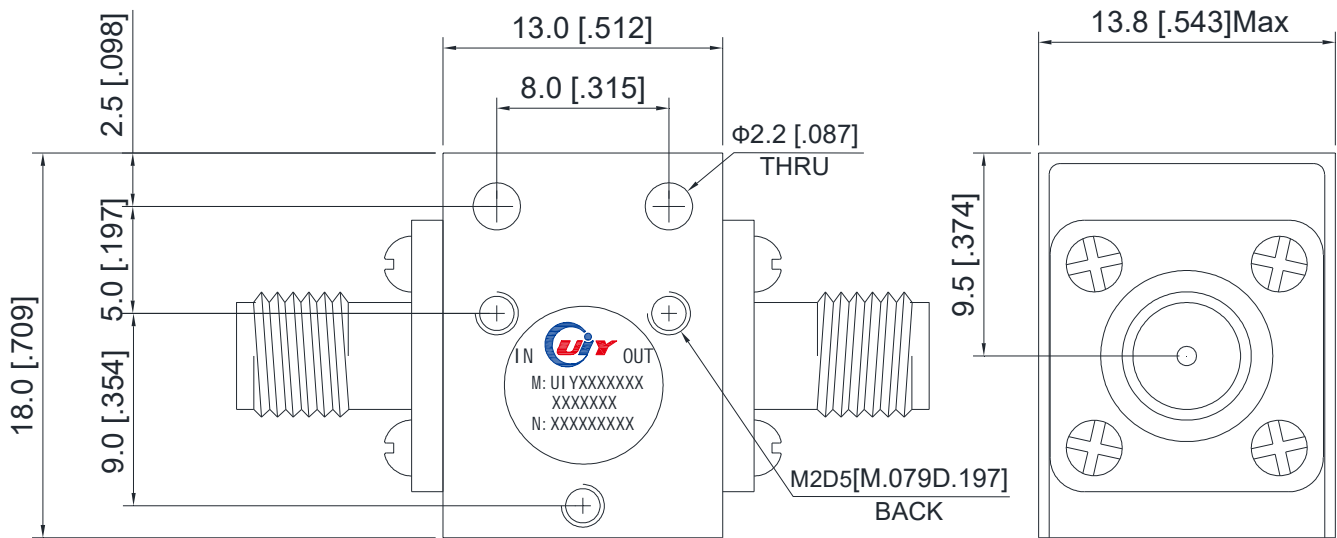
* 2. Power handling (Forward, Reverse, Peak, etc.)

* 3. Connect type (SMA Male/ Female, N Male/ Female, etc.)

4. Other special request if have (Insertion Loss, Isolation, VSWR, Temperature, Dimension, etc.)

Ver. 5.2

Mechanical Drawing



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