

## 5 to 25GHz – 4 Port Dual Junction Drop in Circulator

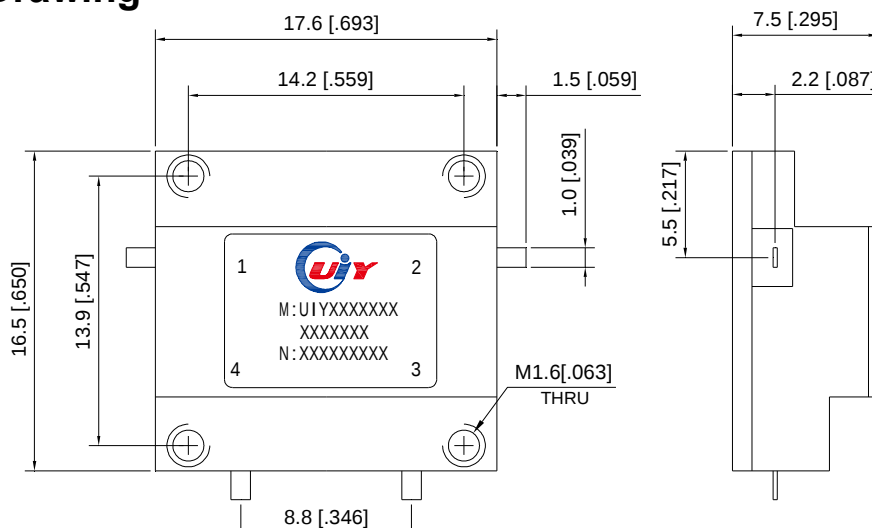
### Design Features

- ◆ 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 (GHz) | Insertion Loss (1-2 & 3-4) Max(dB) | Isolation (2-1 & 4-3) Min(dB) | VSWR Max | Forward Power(W) | Reverse Power(W) | Connector Type | Temp.(°C) |
|-----------------------|-------------------|------------------------------------|-------------------------------|----------|------------------|------------------|----------------|-----------|
| UIYDDC1716A4P5T55     | 5.0 ~ 5.5         | 1.0                                | 36                            | 1.3      | 65               | 65               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P54T58    | 5.4 ~ 5.8         | 1.0                                | 36                            | 1.3      | 65               | 65               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P57T59    | 5.7 ~ 5.9         | 0.7                                | 40                            | 1.25     | 65               | 65               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P58T62    | 5.8 ~ 6.2         | 1.0                                | 40                            | 1.25     | 30               | 30               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P6T8      | 6.0 ~ 8.0         | 1.2                                | 36                            | 1.3      | 30               | 30               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P7T9      | 7.0 ~ 9.0         | 1.0                                | 36                            | 1.3      | 30               | 30               | TAB            | -40 ~ +85 |
| UIYDDC1716A4P71T95    | 7.1 ~ 9.5         | 1.2                                | 36                            | 1.3      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P79T84    | 7.9 ~ 8.4         | 0.6                                | 46                            | 1.2      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P8T12     | 8.0 ~ 12.0        | 1.0                                | 36                            | 1.3      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P85T95    | 8.5 ~ 9.5         | 0.6                                | 46                            | 1.2      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P9T10     | 9.0 ~ 10.0        | 0.6                                | 46                            | 1.2      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P10T11    | 10.0 ~ 11.0       | 0.6                                | 46                            | 1.2      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P10T13    | 10.0 ~ 13.0       | 1.0                                | 40                            | 1.25     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P10T15    | 10.0 ~ 15.0       | 1.0                                | 36                            | 1.35     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P115T185  | 11.5 ~ 18.5       | 1.4                                | 32                            | 1.45     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P12T18    | 12.0 ~ 18.0       | 1.2                                | 36                            | 1.35     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P1375T145 | 13.75 ~ 14.5      | 0.6                                | 46                            | 1.2      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P138T178  | 13.8 ~ 17.8       | 1.0                                | 36                            | 1.3      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P155T165  | 15.5 ~ 16.5       | 1.0                                | 40                            | 1.25     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P16T18    | 16.0 ~ 18.0       | 1.2                                | 40                            | 1.25     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P18T20    | 18.0 ~ 20.0       | 1.2                                | 40                            | 1.25     | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P192T212  | 19.2 ~ 21.2       | 1.2                                | 36                            | 1.3      | 30               | 30               | TAB            | -55 ~ +85 |
| UIYDDC1716A4P21T23    | 21.0 ~ 23.0       | 1.2                                | 36                            | 1.3      | 30               | 30               | TAB            | -55 ~ +85 |

### Mechanical Drawing



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

Ver. 5.2