

45 to 270MHz – Dual Junction Drop in Isolator

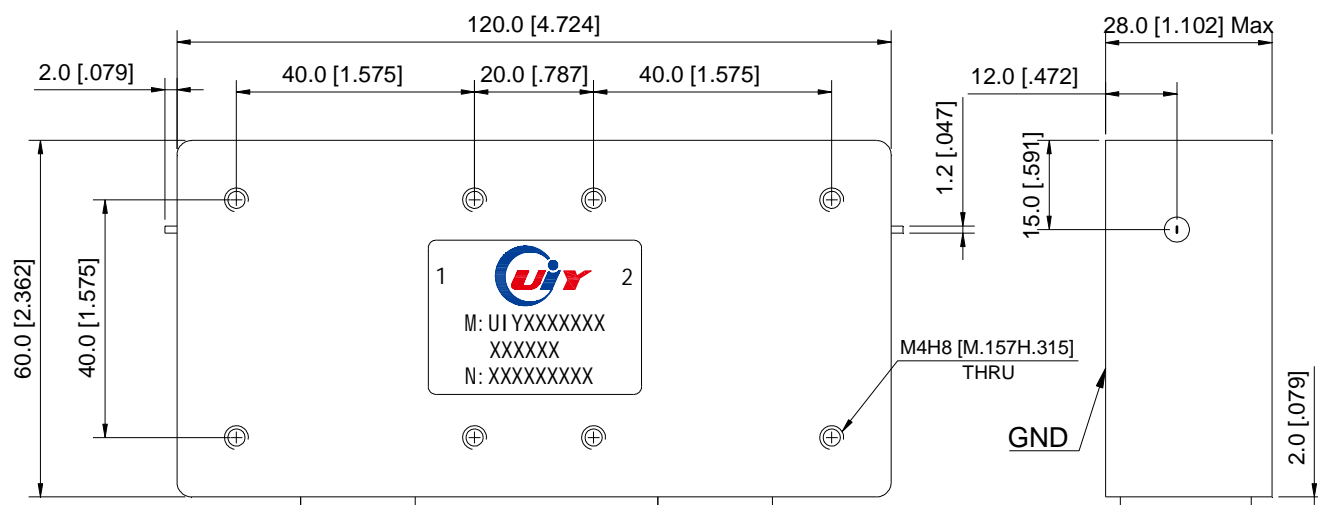
Design Features

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

RF Characteristics

| Model Number | Freq. Range (MHz) | Insertion Loss Max(dB) | Isolation Min(dB) | VSWR Max | Forward Power(W) | Reverse Power(W) | Connector Type | Temp.(°C) |
|-------------------------|-------------------|------------------------|-------------------|----------|------------------|------------------|----------------|-----------|
| UIYDDI12060A45T50 | 45 ~ 50 | 3.0 | 36 | 1.3 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A45T55 | 45 ~ 55 | 3.6 | 36 | 1.3 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A50T75 | 50 ~ 75 | 3.6 | 40 | 1.25 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A55T75 | 55 ~ 75 | 2.5 | 40 | 1.25 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A60T65 | 60 ~ 65 | 2.0 | 40 | 1.25 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A65T70 | 65 ~ 70 | 2.0 | 40 | 1.25 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A68T88 | 68 ~ 88 | 2.5 | 36 | 1.3 | 100 | 50 | TAB | -20 ~ +65 |
| UIYDDI12060A70T85 | 70 ~ 85 | 1.6 | 40 | 1.25 | 100 | 50 | TAB | -20 ~ +65 |
| UIYDDI12060A70T90 | 70 ~ 90 | 2.0 | 40 | 1.25 | 100 | 50 | TAB | -20 ~ +65 |
| UIYDDI12060A80T120 | 80 ~ 120 | 2.0 | 36 | 1.3 | 100 | 50 | TAB | 0 ~ +65 |
| UIYDDI12060A85T135 | 85 ~ 135 | 2.0 | 36 | 1.3 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A87T108 | 87 ~ 108 | 1.2 | 40 | 1.25 | 100 | 50 | TAB | -20 ~ +65 |
| UIYDDI12060A87T108P200 | 87 ~ 108 | 1.2 | 40 | 1.25 | 200 | 50 | TAB | -20 ~ +65 |
| UIYDDI12060A88T138 | 88 ~ 138 | 2.0 | 36 | 1.3 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A100T130 | 100 ~ 130 | 1.2 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A100T130P200 | 100 ~ 130 | 1.2 | 40 | 1.25 | 200 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A100T150 | 100 ~ 150 | 1.2 | 40 | 1.25 | 100 | 50 | TAB | -10 ~ +65 |
| UIYDDI12060A108T118 | 108 ~ 118 | 1.0 | 45 | 1.2 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A108T118P200 | 108 ~ 118 | 1.0 | 45 | 1.2 | 200 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A118T137 | 118 ~ 137 | 1.0 | 45 | 1.2 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A118T137P200 | 118 ~ 137 | 1.0 | 45 | 1.2 | 200 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A130T180 | 130 ~ 180 | 1.6 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A136T174 | 136 ~ 174 | 1.0 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A136T174P200 | 136 ~ 174 | 1.0 | 40 | 1.25 | 200 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A148T174P150 | 148 ~ 174 | 0.8 | 50 | 1.15 | 150 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A150T200 | 150 ~ 200 | 1.2 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A150T225 | 150 ~ 225 | 1.8 | 36 | 1.3 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A170T200 | 170 ~ 200 | 1.0 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A170T200P200 | 170 ~ 200 | 1.0 | 40 | 1.25 | 200 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A180T220 | 180 ~ 220 | 1.0 | 40 | 1.25 | 100 | 50 | TAB | -30 ~ +70 |
| UIYDDI12060A200T270 | 200 ~ 270 | 2.0 | 36 | 1.3 | 100 | 50 | TAB | -30 ~ +70 |

Mechanical Drawing



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

Ver. 5