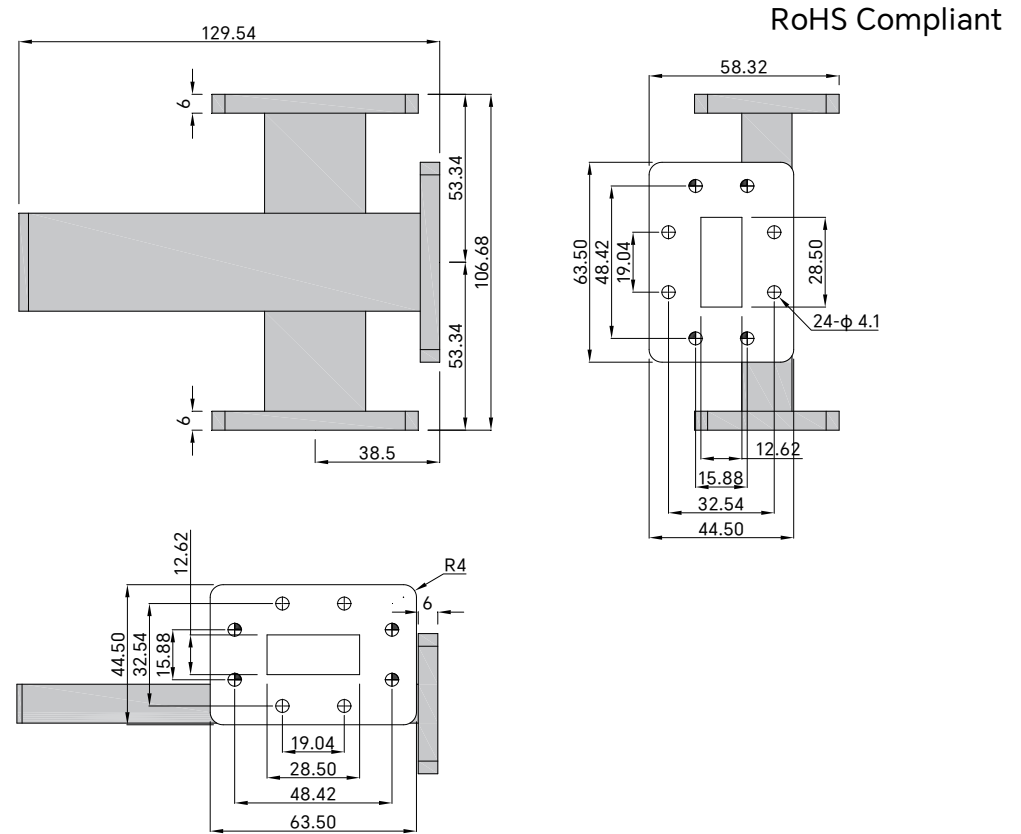


|                                   |      |           |                     |         |
|-----------------------------------|------|-----------|---------------------|---------|
| PART NUMBER<br><b>TWGC1123C50</b> | REV. | DATE      | COMMENTS            | INITIAL |
|                                   | 1    | 2021/4/18 | ENGINEERING RELEASE |         |

## SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Frequency Range .....     | 7.05-10GHz                      |
| Nominal Coupling .....    | 50±0.7dB                        |
| Directivity .....         | 18dB min                        |
| VSWR Primary .....        | 1.05:1 max                      |
| VSWR Secondary .....      | 1.1:1 max                       |
| Impedance .....           | 50 Ohms                         |
| Input Average Power ..... | 2KW max@25°C                    |
| .....                     | (derate linearly to 200W@100°C) |
| Waveguide Type .....      | WR-112                          |
| Flange Type .....         | FDP84(UDR) Flange               |
| Waveguide Body .....      | Aluminum, Gray Painted          |
| Connector Body .....      | Stainless Steel, Passivated     |
| Dimensions .....          | 129.54(L)×106.68(W)mm           |



Drawing not to scale, units:mm



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|  |           |  |
|--|-----------|--|
| PART NUMBER<br><b>TWGC1123C50</b>  |           | DESCRIPTION<br><b>Waveguide Directional Cross Coupler, 7.05~10GHz<br/>Coupling 50 ± 0.7dB, WR-112, FDP84(UDR) Flange</b> |
| CAGE CODE  | SIGNATURE |  |
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