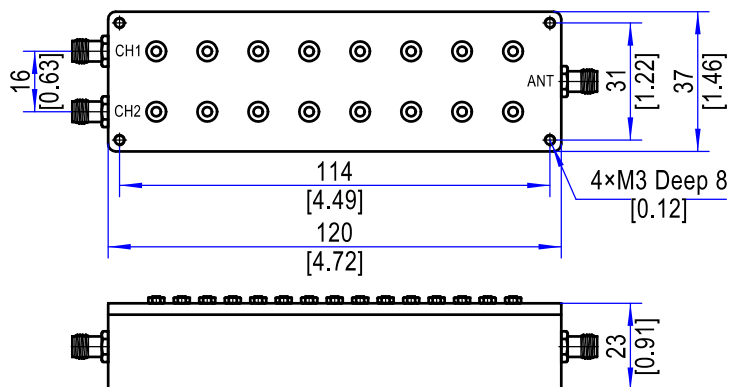


## YSDPLX30-2R2-2R5-S

2.2-2.5 GHz Cavity Diplexer, 30 W, SMA Connector

| Electrical Specifications     |                         |                                       |                        |
|-------------------------------|-------------------------|---------------------------------------|------------------------|
| NO.                           | Parameters              | CH 1                                  | CH 2                   |
| 1                             | Pass Band Frequency     | 2200-2300 MHz                         | 2400-2500 MHz          |
| 2                             | Center Frequency(F0)    | 2250 MHz                              | 2450 MHz               |
| 3                             | Insertion Loss          | ≤1.7 dB                               | ≤1.7 dB                |
| 4                             | Pass Band Ripple        | ≤0.8 dB                               | ≤0.8 dB                |
| 5                             | Return Loss             | ≥18 dB                                | ≥18 dB                 |
| 6                             | Stop band Rejection     | ≥70 dB @ 2400-2500 MHz                | ≥70 dB @ 2200-2300 MHz |
| 7                             | Isolation               | ≥70 dB @ 2200-2300 MHz, 2400-2500 MHz |                        |
| 8                             | Power Handling          | ≤30 W                                 |                        |
| 9                             | Impedance               | 50 Ω                                  |                        |
| Environmental Characteristics |                         |                                       |                        |
| 1                             | Operating Temperature   | -20°C to +60°C                        |                        |
| Mechanical Characteristics    |                         |                                       |                        |
| 1                             | Connectors              | SMA Female                            |                        |
| 2                             | Surface Finishing       | Black Painted Finish                  |                        |
| 3                             | Dimensions <sup>1</sup> | 120×37×23 mm / [4.72×1.46×0.91 in]    |                        |
| 4                             | weight                  | 191 g                                 |                        |

**Outline Drawing** (Units: mm/[inch], Tolerance: ±0.3 mm)



Note 1: Excluding Connectors