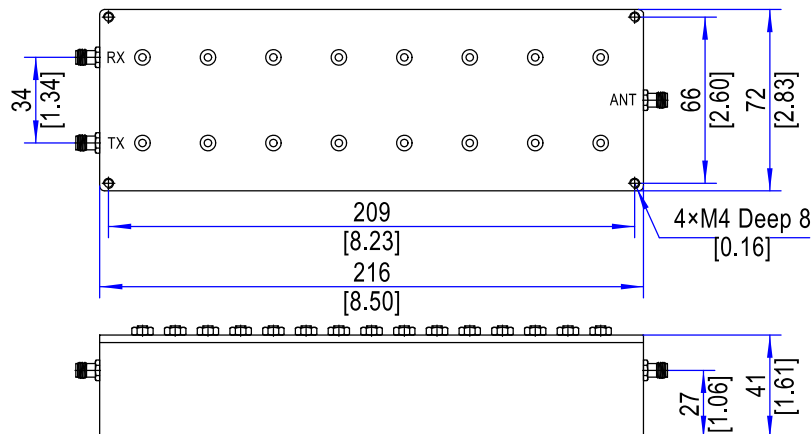


# YSDPX30-R75-R87-S

0.75-0.87 GHz Cavity Duplexer, 30 W, SMA Connector

| Electrical Specifications     |                         |                                    |                      |
|-------------------------------|-------------------------|------------------------------------|----------------------|
| NO.                           | Parameters              | RX                                 | TX                   |
| 1                             | Pass Band Frequency     | 750-810 MHz                        | 830-870 MHz          |
| 2                             | Center Frequency(F0)    | 780 MHz                            | 850 MHz              |
| 3                             | Insertion Loss          | ≤1.2 dB                            | ≤1.2 dB              |
| 4                             | Pass Band VSWR          | ≤1.3: 1                            | ≤1.3: 1              |
| 5                             | Stop Band Rejection     | ≥25 dB @ 830-870 MHz               | ≥30 dB @ 750-810 MHz |
| 6                             | Power Handling          | ≤30 W                              |                      |
| 7                             | 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> | 216×72×41 mm / [8.50×2.83×1.61 in] |                      |
| 4                             | weight                  | 810 g                              |                      |

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



Note 1: Excluding Connectors