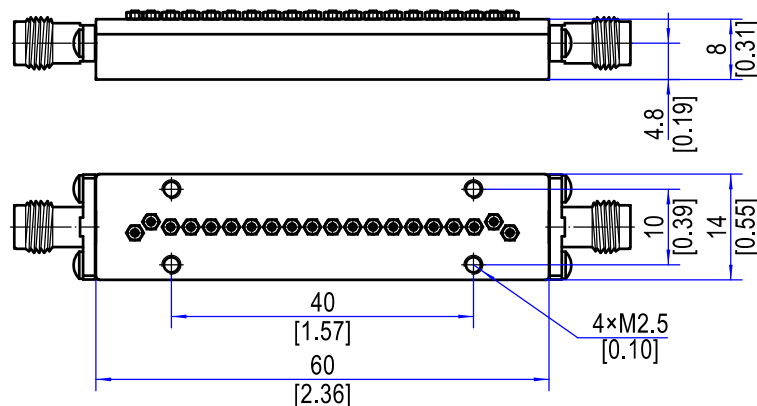


## YSCVBP5-55-20-V

45-65 GHz Comb Band Pass Filter, 5 W, 1.85 mm Connector

| Electrical Specifications     |                         |   |
|-------------------------------|-------------------------|---|
| 1                             | Pass Band Frequency     | 45-65 GHz   |
| 2                             | Center Frequency(F0)    | 55 GHz  |
| 3                             | Insertion Loss          | ≤1.5 dB @ 45-64 GHz<br>≤1.8 dB @ 64-65 GHz                              |
| 4                             | Return Loss             | ≥11 dB (Typical: 13.5 dB)   |
| 5                             | Pass Band Ripple        | ≤0.8 dB @ 45-64 GHz<br>≤1.1 dB @ 64-65 GHz                              |
| 6                             | Stop band Rejection     | ≥80 dB @ DC-42.5 GHz<br>≥30 dB @ 42.5-44 GHz<br>≥10 dB @ 66.5- 69.7 GHz |
| 7                             | Power Handling          | ≤5 W  |
| 8                             | Impedance               | 50 Ω  |
| Environmental Characteristics |                         |   |
| 1                             | Operating Temperature   | -30°C to +70°C  |
| Mechanical Characteristics    |                         |   |
| 1                             | Connectors              | 1.85 mm Female  |
| 2                             | Surface Finishing       | Black Painted Finish  |
| 3                             | Dimensions <sup>1</sup> | 60*14*8 mm / [2.36*0.55*0.31 in]  |
| 4                             | weight                  | 50 g  |

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



Note 1: Excluding Connectors