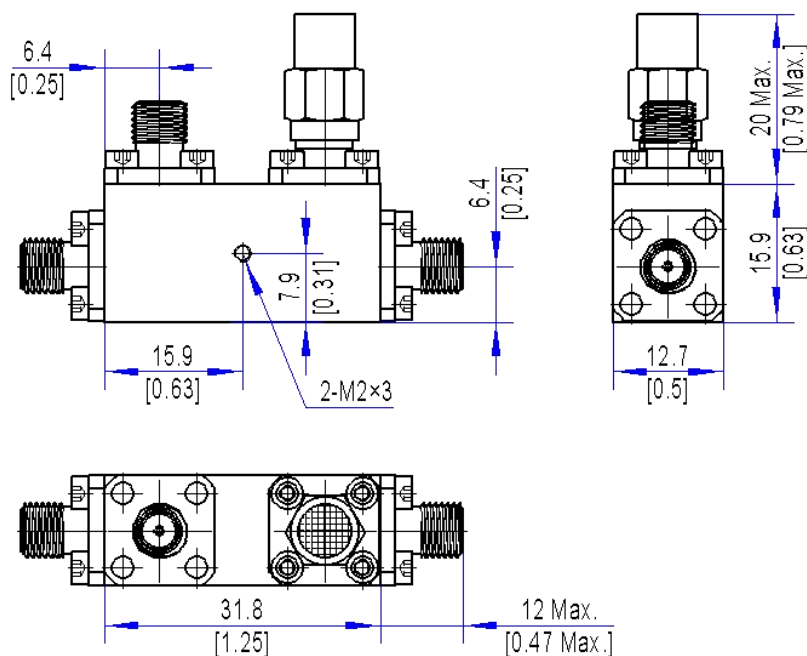


## FSDC12-40-67-30-V

Directional Coupler, 12W, 40-67GHz, 30dB coupling, 1.85mm(f)

| Electrical Specifications    |                         |                                   |           |
|------------------------------|-------------------------|-----------------------------------|-----------|
| 1                            | Frequency Range         | 40~50 GHz                         | 40~67 GHz |
| 2                            | Coupling                | 30 ±1 dB                          |           |
| 3                            | Coupling Flatness       | ≤ ±1.1 dB                         |           |
| 4                            | Insertion Loss          | ≤1.5 dB                           | ≤2.0 dB   |
| 5                            | Main Line VSWR          | ≤1.8:1                            | ≤1.9:1    |
| 6                            | Secondary Line VSWR     | ≤1.8:1                            | ≤1.9:1    |
| 7                            | Directivity             | ≥8 dB                             | ≥7 dB     |
| 8                            | Power                   | 12W(CW),1000W(Peak)               |           |
| Environmental Specifications |                         |                                   |           |
| 1                            | Operating Temperature   | -45°C~+85°C                       |           |
| Mechanical Specifications    |                         |                                   |           |
| 1                            | Connectors              | 1.85mm-Female                     |           |
| 2                            | Dimensions <sup>1</sup> | 31.8*15.9*12.7mm[1.25*0.63*0.5in] |           |

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



Note 1: Excluding Connector size