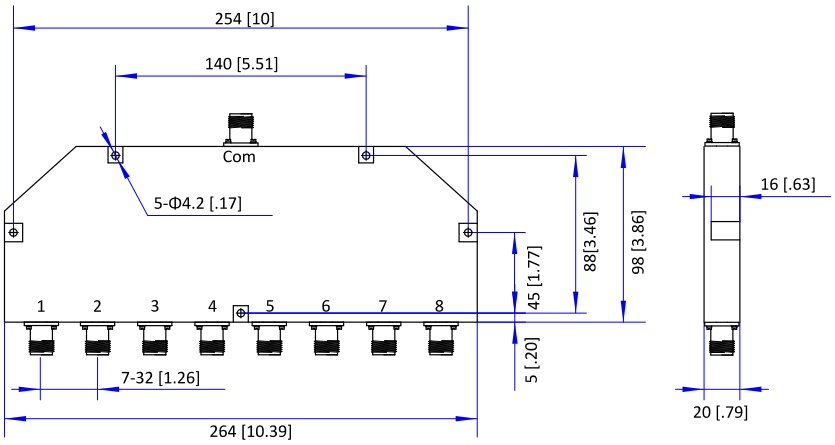
# FS8PC150-420-450-N

8-Way Power Divider / Combiner, 150W, 0.42-0.45GHz, N(f)

| | | |
|---|---|---|
| **Electrical Specifications** | | |
| 1 | Frequency Range | 0.42-0.45 GHz |
| 2 | Impedance | 50 Ω |
| 3 | Insertion Loss | 1.2 dB Max. *(Above 9.03 dB Theoretical Loss)* |
| 4 | Isolation | 20 dB Min. |
| 5 | Input VSWR | 1.20:1 Max. |
| 6 | Output VSWR | 1.35:1 Max. |
| 7 | Phase vs Temperature Variation | 5° Max. |
| 8 | Phase Balance | ±3° Max. |
| 9 | Amplitude Balance | ±0.3 dB Max. |
| 10 | Average Power as Combiner | 8 ports: 33 W each<br>Common port: 150 W |
| 11 | Peak Power as Combiner | 8 ports: 130 W each<br>Common port: 500 W<br>*@ DC = 20%, PW = 1.25 ms* |
| **Environmental Specifications** | | |
| 1 | Operating Temperature | -45°C ~ +70°C |
| **Mechanical Specifications** | | |
| 1 | Connectors | SMA-Female |
| 2 | Ingress Protection | IP66 |
| 3 | Surface Finish | Corrosion-resistant coating |
| 4 | Dimensions[1] | 264x98x20 mm [10.39x3.86x0.79 in] |

**Outline Drawing** (Dimension in mm [in], Tolerance: ±0.3mm [±0.01 in])




**Ordering Information:**

Model: **FS8PC150-420-450-N**

Note 1: Dimensions do not include connectors.