

## YS4RPC800-1-6-7

4-Way Radial Power Combiner, 800 W, 1-6 GHz, 7/16 DIN

### Key Features

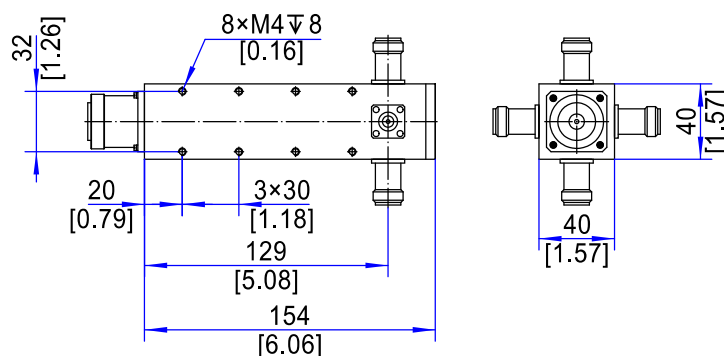
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

### Applications

- High-power RF amplifiers
- Phased array radar
- Electronic warfare systems
- RF energy and plasma systems
- Broadcast transmitters

| Electrical Specifications    |                         |                                    |
|------------------------------|-------------------------|------------------------------------|
| 1                            | Frequency Range         | 1-6 GHz                            |
| 2                            | Insertion Loss          | $\leq 0.6$ dB(avg.)                |
| 3                            | Common Port VSWR        | $\leq 1.40:1$                      |
| 4                            | Amplitude Balance       | $\leq \pm 0.3$ dB                  |
| 5                            | Phase Balance           | $\leq \pm 5^\circ$                 |
| 6                            | Power Handling          | 800 W(CW)                          |
| 7                            | Impedance               | 50 $\Omega$                        |
| Environmental Specifications |                         |                                    |
| 1                            | Operating Temperature   | -55°C to +85°C                     |
| Mechanical Specifications    |                         |                                    |
| 1                            | Connectors              | 7/16 DIN Female, N-Type Female     |
| 2                            | Surface Finishing       | Clear Conductive Oxide Finish      |
| 3                            | Dimensions <sup>1</sup> | 154×40×40 mm / [6.06×1.57×1.57 in] |

### Outline Drawing (Units: mm/[inch], Tolerance: $\pm 0.3$ mm)



Note 1: Excluding Connectors