# YS8WPD100-7R1-7R25-S

8-Way Wilkinson Power Divider, 100 W, 7.13-7.245 GHz, SMA

## Key Features

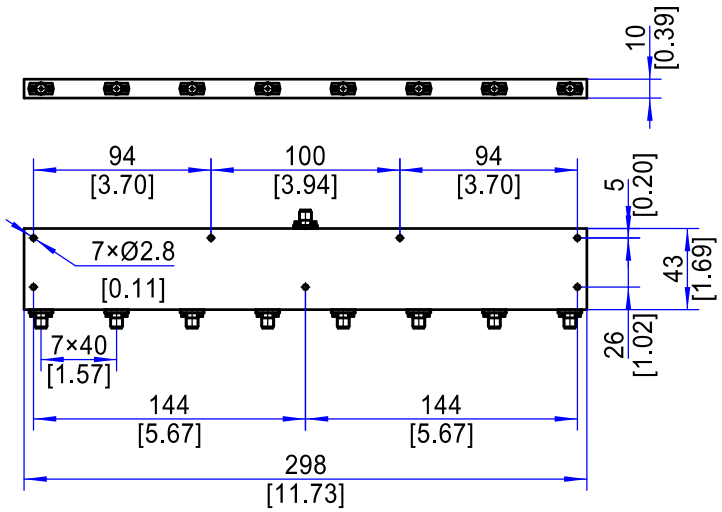
- 7.13-7.245 GHz Wideband Coverage
- Low Insertion Loss
- Excellent Amplitude & Phase Balance
- High Isolation (≥18 dB)
- 100 W Power Handling

## Applications

- RF & Microwave Systems
- Test & Measurement
- Radar & EW Systems
- Communication Networks
- Signal Distribution

| Electrical Specifications | | |
|---|---|---|
| 1 | Frequency Range | 7.13-7.245 GHz |
| 2 | Insertion Loss | ≤0.9 dB |
| 3 | Input Port VSWR | ≤1.5:1 |
| 4 | Isolation | ≥18 dB |
| 5 | Amplitude Balance | ≤±0.3 dB |
| 6 | Phase Balance | ≤±5° |
| 7 | Power Handling | 100 W(CW); 300 W(PK) |
| 8 | Impedance | 50 Ω |
| **Environmental Specifications** | | |
| 1 | Operating Temperature | -55°C to +85°C |
| **Mechanical Specifications** | | |
| 1 | Connectors | SMA Female |
| 2 | Surface Finishing | Silver Plating |
| 3 | Dimensions[1] | 298×43×10 mm / [11.73×1.69×0.39 in] |

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




Note 1: Excluding Connectors