

## YS4HPC300-R4-3-MP

4-Way Hybrid Power Combiner, 300 W, 0.4-3 GHz, Microstrip

### Key Features

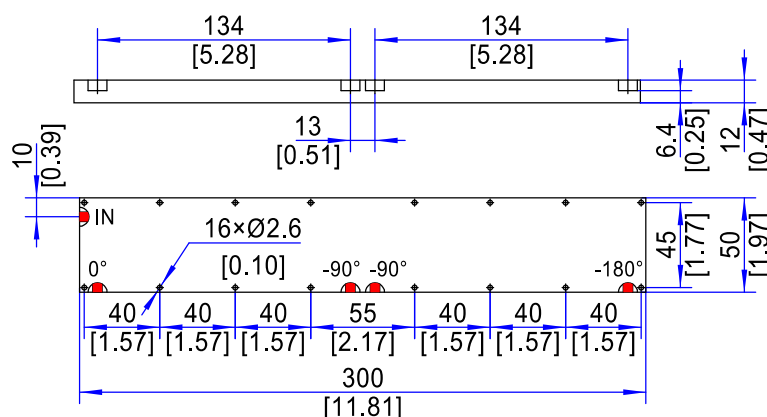
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

### Applications

- RF power amplifier combining
- Wireless infrastructure
- SATCOM systems
- Radar transmitters
- RF test systems

| Electrical Specifications    |                         |                                     |
|------------------------------|-------------------------|-------------------------------------|
| 1                            | Frequency Range         | 0.4-3 GHz                           |
| 2                            | Insertion Loss          | $\leq 1.3$ dB (avg.)                |
| 3                            | VSWR                    | $\leq 1.50:1$                       |
| 4                            | Isolation               | $\geq 15$ dB                        |
| 5                            | Amplitude Balance       | $\leq \pm 1.5$ dB                   |
| 6                            | Phase Balance           | $\leq \pm 6^\circ$                  |
| 7                            | Power Handling          | 300 W(CW)                           |
| 8                            | Impedance               | 50 $\Omega$                         |
| Environmental Specifications |                         |                                     |
| 1                            | Operating Temperature   | -55°C to +85°C                      |
| Mechanical Specifications    |                         |                                     |
| 1                            | Connectors              | Microstrip Port                     |
| 2                            | Surface Finishing       | Clear Conductive Oxide Finish       |
| 3                            | Dimensions <sup>1</sup> | 300×50×12 mm / [11.81×1.97×0.47 in] |

### Outline Drawing (Units: mm/[inch], Tolerance: $\pm 0.2$ mm)



Note 1: Excluding Connectors