

WR10 Balanced Mixer up to 110 GHz



TECHNICAL SPECIFICATIONS

- **RF Frequency Range**
75–110 GHz
- **IF Frequency Range**
DC–35 GHz (2.92 mm female connector)
- **LO Drive Level**
+12 to +20 dBm
- **P1dB**
+1 dBm
- **Waveguide Interface**
WR10 with UG-387/U-M flange
- **Operating Temperature**
0 to +50 °C
- **LO Frequency Range**
75–110 GHz
- **Conversion Loss**
approximately 10 dB
- **RF/LO Isolation**
25 dB
- **IIP3**
+9 dBm
- **Housing**
Gold-plated copper construction

APPLICATIONS

Automotive Radar: Development and validation of W-band radar systems

Test & Measurement: RF and microwave test environments requiring precise frequency conversion

Imaging & Sensing: W-band imaging and sensing systems

Communications: Millimeter-wave communication system development and radio-over-fiber transmission