

Coaxial Mixer up to 67 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
DC to 67 GHz
- **Connectors**
Coaxial RF input/output with SMA interfaces
- **IF Bandwidth**
Wideband intermediate frequency capability
- **Active Variants**
Down-converter models up to 67 GHz with integrated LNA functionality
- **Architecture**
Double-balanced mixer design optimized for broadband performance
- **Conversion Loss**
Low conversion loss with high isolation characteristics
- **Form Factor**
Compact coaxial design for space-constrained applications

APPLICATIONS

5G/6G Infrastructure:
Communication system testing and deployment in mmWave bands

SATCOM: Ground station equipment and payload signal processing

Defense & Radar: Precise frequency conversion for radar and electronic warfare systems

Wireless Backhaul: Point-to-point radio links in mmWave frequencies

Test & Measurement: RF and mmWave instrumentation and characterization

Research & Development: Advanced communication protocols and modulation schemes