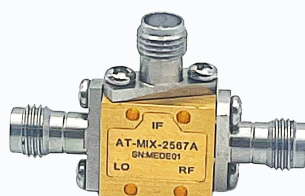


Double Balanced Mixer up to 67 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
RF/LO 25-67 GHz, IF DC-30 GHz
- **LO Drive Power**
Minimum +8 dBm, typical +10 dBm
- **Connectors**
1.85 mm female (RF/LO), 2.92 mm female (IF)
- **Supply Voltage**
Fixed gate supply -2V with integrated LDO
- **Conversion Loss**
Typical 15 dB at IF = 100 MHz
- **Port Isolation**
LO-to-RF up to -30 dB, LO-to-IF up to -25 dB, RF-to-IF up to -15 dB
- **Housing**
Gold-plated copper, 80 g weight

APPLICATIONS

5G & mmWave Communication:
Transceiver modules for next-generation wireless infrastructure and backhaul systems

Radar Systems: High-frequency signal processing for automotive, defense, and aerospace radar applications

SATCOM: RF Over Fiber infrastructure links and satellite ground station equipment

Test & Measurement:
Broadband instrumentation and communication platform development