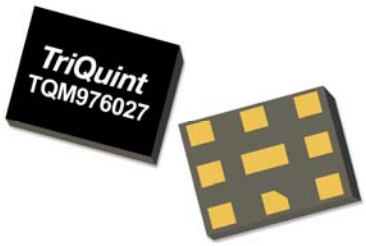
TQM976027

Band 7 BAW Duplexer

Applications

- LTE handsets, data cards & mobile routers
- Band 7
  - 2500-2570 MHz Uplink
  - 2620-2690 MHz Downlink

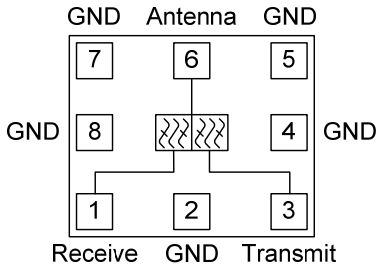


8 Pin 1.6 x 2.0 mm Package

Product Features

- Highly Selective LowDrift™BAW Duplexer
- Low Insertion Loss Over Full Bandwidth and Operating Conditions
- High Isolation
- WiFi Co-existence
- Single-Ended (SE) 50ohm Receive & Transmit Ports
- Performance -20 to +85 ºC
- RoHS Compliant, Pb-Free Module Package

Functional Block Diagram



Top View

General Description

The TQM976027 is a high-performance Bulk Acoustic Wave (BAW) duplexer designed to meet the strict LTE requirements for use in Band 7 applications.

TQM976027 is specifically designed to meet the high performance expectations of insertion loss, isolation and linearity for LTE systems over the bandwidth of B7 applications under all operating conditions. Due to the exceptional WLAN rejection performance, WiFi co-existence is enabled with this duplexer.

The TQM976027 uses common module packaging techniques to achieve the industry standard 2.0 x 1.6 x 0.9 mm footprint. The duplexer exhibits excellent power handling capabilities.

Pin Configuration

Pin #	Label
1	Receive
3	Transmit
6	Antenna
2, 4, 5, 7, 8	GND (Ground*)
Backside Center Pad	GND (Ground*)

*See application section for details on optimal grounding.

Ordering Information

Part No.	Description
TQM976027	B7 BAW Duplexer
TQM976027-EVB	Evaluation Board

Standard T/R size = 10000 pieces on a 7” reel.

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