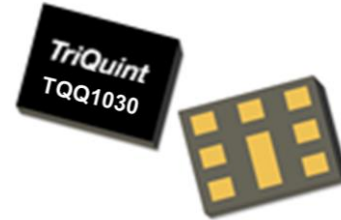


Applications

- LTE handsets, data cards & mobile routers

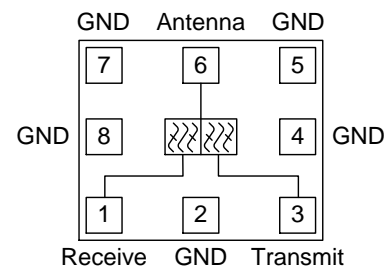


8 Pin 1.8 x 1.4 x 0.73mm Package

Product Features

- Compact form-factor: (1.8 x 1.4) mm²
- Insertion Loss – Enabling true co-banding
 - Tx Band, 2305-2315MHz: 1.7dB Typ.
 - Rx Band, 2350-2360MHz: 1.9dB Typ.
- Best in class close OOB attenuation across temp.
- High ISM band rejection
- Single-Ended (SE) 50ohm Receive & Transmit Ports
- RoHS Compliant, Pb-Free

Functional Block Diagram



Top View

General Description

The TQQ1030 is a compact, high-performance duplexer module optimized to meet the stringent OOB attenuation requirements along with excellent insertion loss performance, which is a key enabler to co-banding.

The TQQ1030 is built up on TriQuint's high performance NoDrift™ Bulk Acoustic Wave (BAW) technology in order to allow meeting stringent OOB attenuation requirements over temperature extremes.

The TQQ1030 uses TriQuint's unique Wafer-Level-Packaging (WLP) techniques to enable a compact 1.8mm x 1.4mm x 0.73mm Typ. footprint.

Pin Configuration

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

*See application section for details on optimal grounding.

Ordering Information

Part No.	Description
TQQ1030	B30 BAW Duplexer
TQQ1030-EVB	Evaluation Board

Standard T/R size = 2500 pieces on a 7" reel