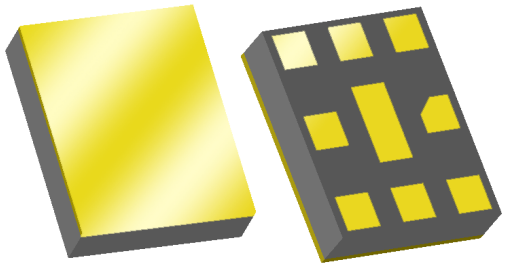
856879

782/751 MHz Duplexer

Applications

- For Band 13 LTE applications
- LTE B13 handset, data cards, mobile routers

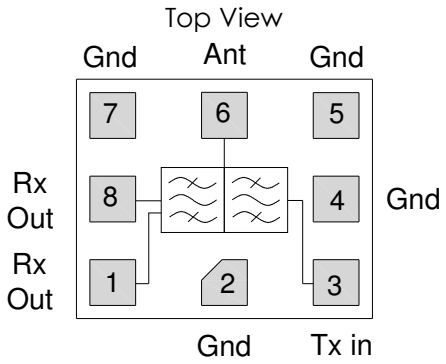


9 Pin 2.5x2.0 mm CSP Package

Product Features

- High Rejection in Band 14
- Usable bandwidth 10 MHz
- High Tx-Rx Isolation
- Low loss (or High attenuation)
- Superior Amplitude / Phase Balance
- Single-ended- Balanced Rx operation
- Ceramic chip-scale Hermetic Package (CSP)
- Small Size: 2.5 x 2.00 x 0.56 mm
- Hermetic **RoHS** compliant, **Pb**-free

Functional Block Diagram



General Description

The 856879 is a high-performance Temperature Compensated Surface Acoustic Wave (TC SAW) duplexer designed to meet the strict LTE requirements for use in Band 13.

856879 is specifically designed to meet the high performance expectations of insertion loss, isolation and BC14 rejection in LTE systems operating in B13 applications under all operating condition. The use of TC SAW technology guarantees these specifications up to the extended +90C operating condition.

The 856879 uses common packaging techniques to achieve the industry standard 2.5 x 2.0 mm footprint. The duplexer exhibits excellent power handling capabilities.

Temperature Compensated SAW; DC blocking capacitor required.

Pin Configuration

Pin # Balanced	Description
1, 8	Rx Output
3	Tx Input
6	Antenna/Phasing Inductor
2,4,5,7,9	Ground

Ordering Information

Part No.	Description
856879	Packaged Part
856879-EVB	Evaluation Board

Standard T/R size = 10,000 units/reel.