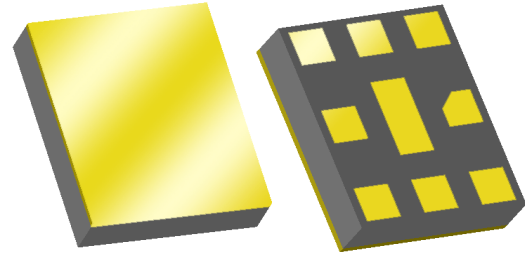


856999

833/878 MHz Duplexer

Applications

- For BC10 applications
- CDMA EvDO handsets
- Data Cards
- Mobile Routers

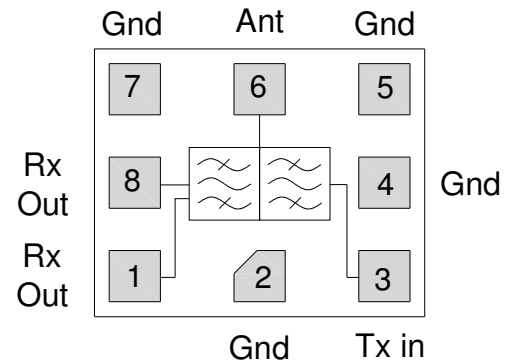


Product Features

- Usable bandwidth 32 MHz
- Low loss
- High attenuation
- High Tx-Rx isolation
- Single-ended-Balanced operation
- Ceramic chip-scale Package (CSP)
- Small Size: 2.5 x 2.00 x 0.56 mm
- Hermetic **RoHS** compliant, **Pb**-free

Functional Block Diagram

Top view



General Description

The 856999 is a high-performance Surface Acoustic Wave (SAW) duplexer designed to meet the strict CDMA requirements for use in the Cellular extension band, also known as Band Class 10 (BC10).

856999 is specifically designed to meet the high performance expectations of insertion loss, isolation and triple beat for CDMA systems over the extended bandwidth of BC10 applications under all operating conditions. Due to the exceptional Receive isolation and GPS rejection performance no transmit SAW filter should be required.

The 856999 uses common module packaging techniques to achieve the industry standard 2.5 x 2.0 x 0.6 mm footprint. The duplexer exhibits excellent power handling capabilities.

Pin Configuration

Pin #	SE-Balanced	Description
1,8		Rx output
3		Tx input
6		Antenna/Phasing inductor
2,4,5,7,9		Ground

Ordering Information

Part No.	Description
856999	packaged part
856999-EVB	evaluation board

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