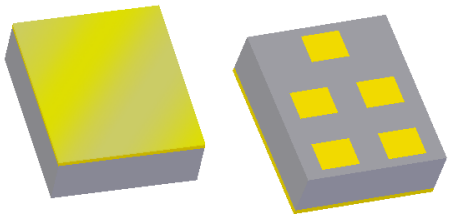
885071

2.4 GHz WLAN/BT LTE Co-Existence Filter

Applications

- WiFi bandpass filter that enables the coexistence of 4G (WiMAX/LTE/TD-LTE) & WiFi signals
- Portable Hotspots and Mobile Routers
- Band-edge filtering of WiFi signal emissions
- Smart Meters
- High-power WLAN Access Points and Small Cells
- Applicable reject bands: 2.6 GHz WiMAX/LTE, TDD-LTE Bands 38 & 40

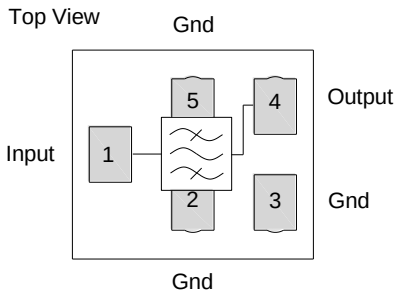


CSP-5CT package: 1.4 x 1.2 x 0.46 mm

Product Features

- Low Loss in WLAN band with extended upper corner for inclusion of Bluetooth
- High Rejection in B38/B40 bands
- Industry leading small size: 1.4 x 1.2 x 0.46 mm
- Performance over -30 to +85 ºC
- Ceramic chip-scale Package (CSP)
- Hermetically sealed
- **RoHS** compliant, **Pb**-free

Functional Block Diagram



General Description

The 885071 is a high-performance, high power Bulk Acoustic Wave (BAW) band-pass filter with extremely steep skirts, simultaneously exhibiting low loss in the WiFi band and high band-edge & near-in rejection.

The 885071 enables coexistence of WiFi and LTE signals within the same device or in close proximity to one another. Its unique power handling capability allows for implantation into access points and small cell base stations.

The 885071 uses common module packaging techniques to achieve the industry standard 1.4 x 1.2 x 0.46 mm footprint. The filter exhibits excellent power handling capabilities.

Pin Configuration

Pin No.	Label
1	Input
4	Output
2,3,5	Ground*

*Note, see application section for details on optimal grounding

Ordering Information

Part No.	Description
885071	Packaged part
885071-EVB	Evaluation board

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