

Boundary Elastic Surface Acoustic Wave (BEL SAW) Filter

Murata Electronics North America introduces its small Boundary Elastic Surface Acoustic Wave (BEL SAW) filter that measures 0.8 mm × 0.6 mm × .365 mm, making it suitable for the mobile phone market. It does not need a cavity, and it achieves the same high tolerance capabilities as traditional filters while assuring the identical thermal-shock tolerance of semiconductors. In addition, the SAFAM series uses Ball Grid Array (BGA) terminations for mounting on integrated circuits (ICs), while current filters can only offer mounting on the printed circuit board, outside the semiconductor. By reducing the footprint and weight without compromising operational abilities, the filter allows manufacturers to supply consumers with less expensive, high quality mutli-band phones.

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770-436-1300, www.murata.com [1]

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