

“RF filters based on surface-acoustic-wave and film-bulk-acoustic-resonator technologies”,
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Abstract – This paper describes current status and future trends of recent RF filter devices based on surface acoustic wave (SAW) and film bulk acoustic resonator (FBAR) technologies, which are now widely used in modern mobile communication systems. It is shown how the filtering function is skillfully realized by using various wave phenomena. The state-of-the-art performance achieved by the device is also discussed.