

Abstracts

SAW Bandpass Filter Components for Microwave Systems

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The rapid advancement of Surface Acoustic Wave (SAW) technology in recent years has significantly impacted the design of several microwave systems. In particular, current systems having IF or processing frequencies in the 100-1000 MHz range are likely to use SAW technology. This paper presents a discussion of recent microwave system developments which utilize SAW bandpass filters. In each case, performance, size and cost advantages are gained through the use of surface acoustic wave technology. It is concluded that SAW components are indeed very versatile, high reliability parts, which should be considered by microwave designers for providing many viable functions in new system developments.

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