

Abstracts

Recent progress in SAW filters at GHz frequencies

D. Penunuri. "Recent progress in SAW filters at GHz frequencies." 1997 MTT-S International Microwave Symposium Digest 1. (1997 Vol. I [MWSYM]): 169-172.

The wide availability of inexpensive cellular telephones and pagers has made possible world-wide, instantaneous communication for any person within range of a base station. The recent introduction of hand-held and even "wearable" telephone technology has been made practical, in some cases, by the use of miniature Surface Acoustic Wave (SAW) filters. This paper discusses the application of SAW RF filters for use in mobile communication products. We focus on the RF front end of mobile radios for which the band pass filters must provide low insertion loss and high selectivity in very small packages.

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