

Abstracts

Micromachined micropackaged filter banks

*A.R. Brown and G.M. Rebeiz. "Micromachined micropackaged filter banks." 1998 *Microwave and Guided Wave Letters* 8.4 (Apr. 1998 [MGWL]): 158-160.*

A micromachined, micropackaged filter bank at X/Ku-band is presented. The filters are integrated on a silicon substrate, and the micropackaging provides high isolation between the adjacent filters in the overlapping frequency region. This technology allows for the low-cost integration of switched filter banks on the same substrate for satellite communication systems, base-stations, and wide-band radar applications.

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