

Abstracts

Membrane-supported CPW with mounted active devices

W.Y. Liu, D. Steenson and M.B. Steer. "Membrane-supported CPW with mounted active devices." 2001 Microwave and Wireless Components Letters 11.4 (Apr. 2001 [MWCL]): 167-169.

This paper reports the fabrication of printed circuit lines on a 5 μm thick membrane that minimizes dielectric loss and effectively eliminates surface modes, both of which are important for operation at millimeter-wave and submillimeter-wave frequencies. The relatively low-cost low-temperature process uses a photosensitive resin (SU-8) to form the membrane and enables devices to be mounted on it.

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