

Abstracts

K-band planar type dielectric resonator filter with high-/spl epsiv/ ceramic substrate

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A new planar type dielectric resonator filter, named TE₀₁₀ mode dielectric filter, is proposed for high-speed data communication systems. The filter was manufactured with precise photolithography process on the high-/spl epsiv/ (high-dielectric-constant) ceramic substrate. The small filter with low loss and high selectivity characteristics has been realized at 19 GHz.

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