

Abstracts

800 MHz Band Channel Dropping Filter Using TM₁₀ Mode Dielectric Resonator

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High Power "Channel Bandpass Filter" for Base station was miniaturized to 1/5 to 1/10 in dimension by using high K dielectric ceramics. The resonant mode is dielectric TM₁₀ and its unloaded Q is over 8,000 at 800 MHz. The frequency temperature stability of the filter is less than 0.5ppm/°c.

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