

Abstracts

800MHz Band High-Power Bandpass Filter Using TM₁₁₀ Mode Dielectric Resonators for Cellular Base Stations

T. Nishikawa, K. Wakino, T. Hiratsuka and Y. Ishikawa. "800MHz Band High-Power Bandpass Filter Using TM₁₁₀ Mode Dielectric Resonators for Cellular Base Stations." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 519-522.

An 800 MHz band high-power filter using new type TM₁₁₀ mode dielectric resonators has been developed. This filter has a low dissipation characteristics and excellent temperature stability. Under high-power operation, the changes of the filter characteristics are negligible. The size of the filter is 200x140x60mm (1700cc), about one fifth the volume of conventional high-power filters.

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