Abstracts

An 8-Pole Quazi-Eiliptic Function Filter Realized in 3 Dielectric Resonator Cavities

W.C. Tang. "An 8-Pole Quazi-Eiliptic Function Filter Realized in 3 Dielectric Resonator Cavities." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 349-351.

An eight-pole quazi-elliptic function filter with two pairs of transmission zeros (8-4) has been synthesized and experimentally realized in two triple-mode and one dual-mode dielectric resonator cavities. This was done by carefully selecting the optimum coupling topology. Subsequently the coupling matrix is generated using computer optimization program without using matrix rotation.

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