

Abstracts

50 Watt/CW Diode Tuned UHF Filter

G.C. DiPiazza and P. Onno. "50 Watt/CW Diode Tuned UHF Filter." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 297-300.

A novel diode tunable filter is described using quarter wavelength tapped stub resonator sections and digital microprocessor control. Fine resolution electronic tuning in 25KHz steps of a 2MHz-3dB transmission bandwidth from 270-400MHz was achieved with 50 watts CW RF power, 10dB average insertion loss and 42dB minimum rejection skirts, 6MHz from the center frequency.

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