

Abstracts

Quarter Wave Dielectric Transmission Line Diplexer for Land Mobile Communications

K. Wakino, T. Nishikawa, H. Matsumoto and Y. Ishikawa. "Quarter Wave Dielectric Transmission Line Diplexer for Land Mobile Communications." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 278-280.

Small sized Diplexer with high selectivity and low insertion loss for 800 MHz band land mobile communication systems has been developed using two port quarter wave coaxial dielectric resonators. A couple of resonators including inductive film electrode construct a compact resonance unit of the Diplexer and it is coupled by capacitive air gap spacings which operates as a part of J-inverter.

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