

Abstracts

Novel varactor tuning of dielectric resonator circuits

Xiaoming Xu and R. Sloan. "Novel varactor tuning of dielectric resonator circuits." 1999 *Microwave and Guided Wave Letters* 9.3 (Mar. 1999 [MGWL]): 105-107.

An additional varactor diode is installed at the end of the tuning line in a dielectric resonator circuit to electronically adjust the effective length of the tuning line for optimization of the tuning range provided by the primary varactor at the opposite end. A testing circuit for 8 GHz design was fabricated and a measured tuning range of 89 MHz was recorded.

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