

W Band Whispering Gallery Dielectric Resonator Mode Oscillator

D. Cros, C. Tronche, P. Guillon and B. Theron. "W Band Whispering Gallery Dielectric Resonator Mode Oscillator." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 929-932.

This paper presents the utilisation of planar millimeter wavelength whispering gallery dielectric resonator modes for designing a W band Gunn diode oscillator. An oscillator has been realised in W band, the performances of which are better than those obtained by using conventional metallic resonator.

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