

Abstracts

Millimeter Wave Characteristics of Fresnel Zone Plates

D.N. Black and J.C. Wiltse. "Millimeter Wave Characteristics of Fresnel Zone Plates." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 437-440.

Characteristics are given for Fresnel zone plates used as quasi-optical focusing or frequency-filtering elements at frequencies from 35 to 210 GHz. An analytical description of the far-field pattern has been developed. Design data, measured results are given for a new type of flat lens.

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