

Abstracts

140 and 220 GHz Ferrite Components

J.A. Rabel, S.W. Schell and D. Davidson. "140 and 220 GHz Ferrite Components." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 233-236.

Presented is the design development of waveguide junction circulators in the 140 and 220 GHz spectrum. The development emphasizes wideband performance and design simplicity. A cylindrical junction design obtained 8 GHz of bandwidth at 140 GHz with 1.5 dB loss. Spherical junction results are reported at both 140 and 220 GHz.

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