

Abstracts

Design and Low-Power Testing of a Microwave Vlasov Mode Convertor

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A circular waveguide with a shaped open end forms the launcher component of a Vlasov mode convertor. This paper compares the gain pattern obtained for an open end with a step cut with that for a beveled cut. Determination of the gain pattern is the first step in the design of a high-power mode convertor intended for X-band (8 to 12 GHz).

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