

Abstracts

Finline ortho-mode transducer for millimeter waves

*G. Chattopadhyay and J.E. Carlstrom. "Finline ortho-mode transducer for millimeter waves." 1999 *Microwave and Guided Wave Letters* 9.9 (Sep. 1999 [MGWL]): 339-341.*

We evaluate the possibility of using a finline ortho-mode transducer (OMT) at millimeter wavelengths. A finline OMT has low loss, low cross-polarization, and good return loss over a full waveguide band. We propose a novel finline OMT structure for millimeter-wavelengths and present results at X-band.

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