

Abstracts

Plane Waveguide Mode Effects in the Visible Spectrum

R. Shubert and J.H. Harris. "Plane Waveguide Mode Effects in the Visible Spectrum." 1968 G-MTT International Microwave Symposium Digest and Technical Program 68.1 (1968 [MWSYM]): 324-330.

This paper describes waveguide modes and mode interactions that have been observed on thin films in the visible spectrum. The modes are similar to parallel plate waveguide modes. Through mode interference, a wide variety of aperture distributions across the edge of the film has been produced. Integration of dielectric devices into the film structure is under investigation for future use in design of optical networks.

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