

# Abstracts

## Application of Gratings in a Dielectric Waveguide for Leaky-Wave Antennas and Band-Reject Filters (Short Papers)

---

*T. Itoh. "Application of Gratings in a Dielectric Waveguide for Leaky-Wave Antennas and Band-Reject Filters (Short Papers)." 1977 Transactions on Microwave Theory and Techniques 25.12 (Dec. 1977 [T-MTT] (1977 Symposium Issue)): 1134-1138.*

Grating structures fabricated in inverted-strip dielectric waveguides have been used for the first time as leaky-wave antennas and band-reject filters. They are potentially useful for millimeter-wave integrated circuits. Experimental results agree reasonably well with theoretical predictions.

 [Return to main document.](#)