

# Abstracts

## Beam Lead Tunnel Diode Amplifiers on Microstrip (Dec. 1970 [T-MTT])

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*J.D. Welch. "Beam Lead Tunnel Diode Amplifiers on Microstrip (Dec. 1970 [T-MTT])." 1970 Transactions on Microwave Theory and Techniques 18.12 (Dec. 1970 [T-MTT] (1970 Symposium Issue)): 1077-1083.*

The characteristics of beam lead tunnel diodes and their application in low-cost microstrip reflection amplifiers are discussed. Three low-noise C-band amplifiers are described, including one with the amplifier printed directly on a garnet substrate with a three-port Y-junction circulator.

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