# Abstracts

## A Low Input VSWR Coaxial Diode Switch for the UHF Band (Correspondence)

*W.L. Ecklund. "A Low Input VSWR Coaxial Diode Switch for the UHF Band (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.3 (May 1964 [T-MTT]): 359-359.*

A unique SPDT coaxial diode switch has been developed at the Boulder Laboratories of the National Bureau of Standards, Boulder, Colo. By using a system of outer conductor reducers, special blocking capacitors and a series of tuning screws, an input VSWR of less than 1.07 is achieved over a broad frequency band centered at 1000 Mc. The characteristic impedance of the switch is 50 omega, the isolation in one arm is greater than 63 db, the insertion loss is about 1.5 db, the switching time is 20 nsec and it has a power handling capability of 3 w CW.

❑ Return to main document.