

Abstracts

High Power PIN Diode Switch Matrix

H.R. Malone, M.L. Matson and P.D. Kennedy. "High Power PIN Diode Switch Matrix." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 173-175.

A single pole, fifty six throw PIN diode switch matrix has been designed for a G-Band cylindrical steerable beam antenna for the AN/USW-3(V) Integrated Target Control System. Bandwidth of the matrix is 20 percent, and CW power handling capability is greater than one-half kilowatt.

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