

Abstracts

A 100 KW Solid State Coaxial Switch

S.D. Patel and S.N. Stitzer. "A 100 KW Solid State Coaxial Switch." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. 1 [MWSYM]): 133-136.

A high power L-band PIN diode switch is described. The design uses 16 high voltage PIN diodes in a novel coaxial structure. The switch has been tested to 100 kW peak power. Insertion loss is less than 0.25 dB and isolation is greater than 25 dB across 14% bandwidth.

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