

Abstracts

Semiconductor Switching and Limiting Using 3-db Short-Slot (Hybrid) Couplers (Correspondence)

V.J. Higgins. "Semiconductor Switching and Limiting Using 3-db Short-Slot (Hybrid) Couplers (Correspondence)." 1964 *Transactions on Microwave Theory and Techniques* 12.2 (Mar. 1964 [T-MTT]): 258-259.

The silver-bonded germanium varactor diode has been successfully used as a switch and a limiter of microwave power when Operated in a series mode between 9.0 and 9.6 Gc. This report gives details of shunt mode switching and limiting using these same type diodes in conjunction with 3-db short-slot (hybrid) couplers. The technique of using 3-db short-slot (hybrid) couplers, but with other type diodes (e.g., 1N263, MA-450, PIN's), has been reported by other investigators.

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