

Abstracts

Broadband Microwave Matching of High Speed Photodiodes

C.L. Goldsmith and B. Kanack. "Broadband Microwave Matching of High Speed Photodiodes." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. 1 [MWSYM]): 233-236.

This paper discusses the successful demonstration of broadband impedance matching of high-speed photodiodes over the 2-4 GHz frequency range. The photodiodes were matched with a resistive/reactive matching technique which achieved a good output match while improving fiber link transmission response and sensitivity by as much as 6 dB.

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