

Photodiode packaging for microwave summation = Packaging Photodiode untuk penjumlahan gelombang mikro / Khairul Fuady

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Abstrak

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Photodiodes can be used in optical communication systems, but the main application is the dynamic microwave link. For the implementation in the microwave systems, the photodiode should be mounted in the microwave packaging. The packaging must be including the waveguide photodiode and the microwave connector to obtain the microwave signal output. In this report, I present the design of module packaging which was developed to make the electrical mounting of the photodiode and make possible the alignment with the lens ended fiber. The last step is to introduce the bias tee design that will be put inside the packaging and the alignment procedure to keep the efficiency of the photodiode.

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