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Study of Ball-point pen optical fiber collimator as a part of optical connector using plastic optical fiber

Summary

POF is expected to deploy in in-house optical communication use, such as audio/video equipment and automobile application whose environments are worse than that for the central office and the many mating times is required. It has been proposed the ball-point pen optical fiber collimator for 10 Gb/s, short reach transmission using GI-POF. The design has been studied and demonstrated. As a result, it was confirmed the design could comply the required performances.