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HANDBOOK OF OPTICAL INTERCONNECTS



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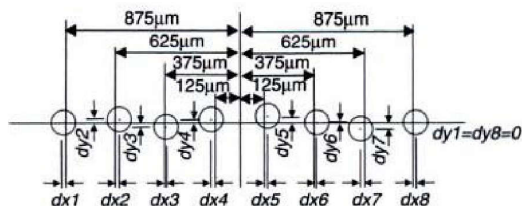


Figure 9.25 Schematic diagram of eccentricity in 250- μm pitch arrayed fiber.

the light going out of the fibers must be collimated using microlenses to improve the efficiency. A microlens array in which microlenses are arrayed accurately in the same way as in a fiber array is shown in Figure 9.26.

9.6.2.1 Types of Microlens Arrays

Microlens arrays include graded index lenses fabricated by ion exchange of glass¹¹; lenses obtained by transferring a resist pattern that exhibits a spherical shape by resist reflow

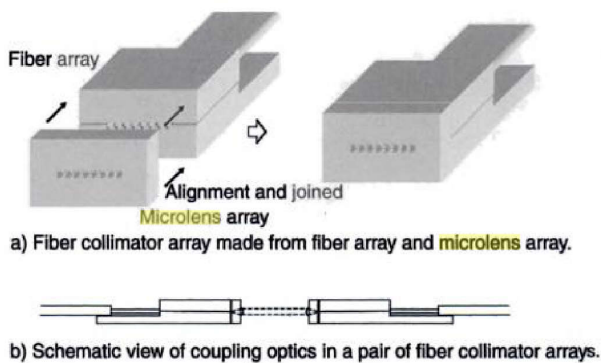


Figure 9.26 Schematic view of coupling optics in a pair of fiber collimator arrays.