

Introduction of optical fiber coupler



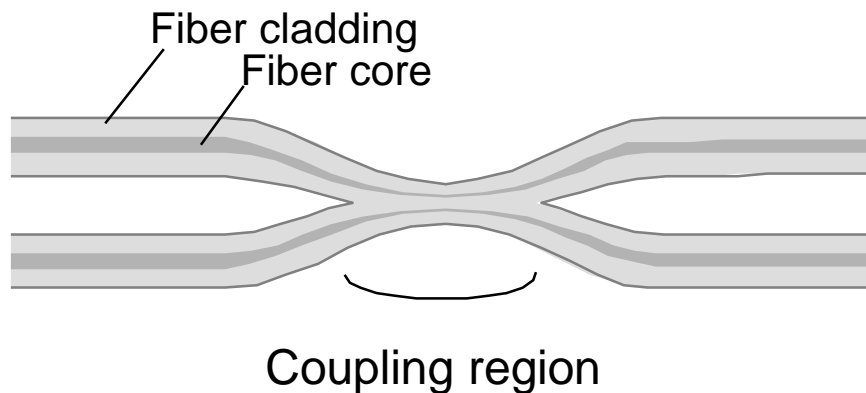
Contact information for technical matters

Fujikura Ltd.

<http://www.fujikura.co.jp/eng/>

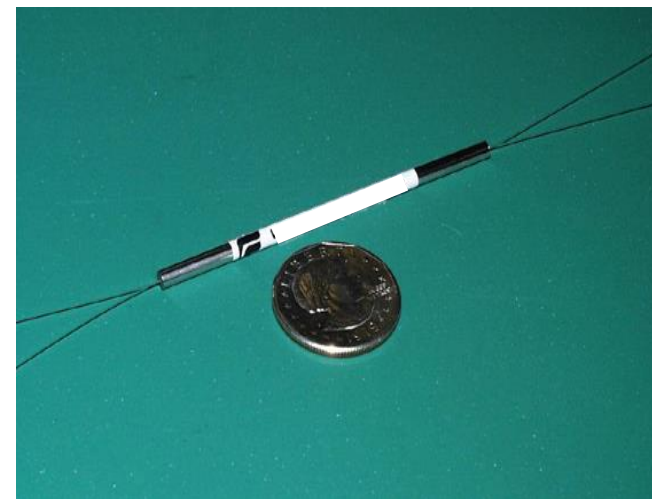
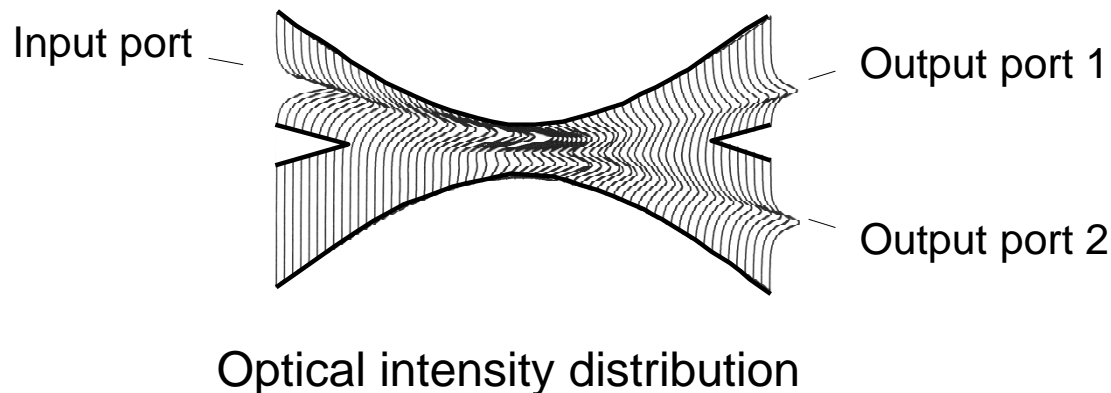
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Principle of optical fiber coupler



Optical fiber couplers are used to split / combine optical signal

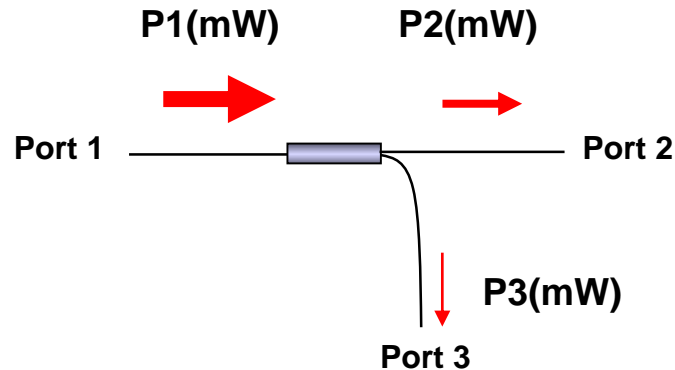
- in various ratio
- in various wavelength



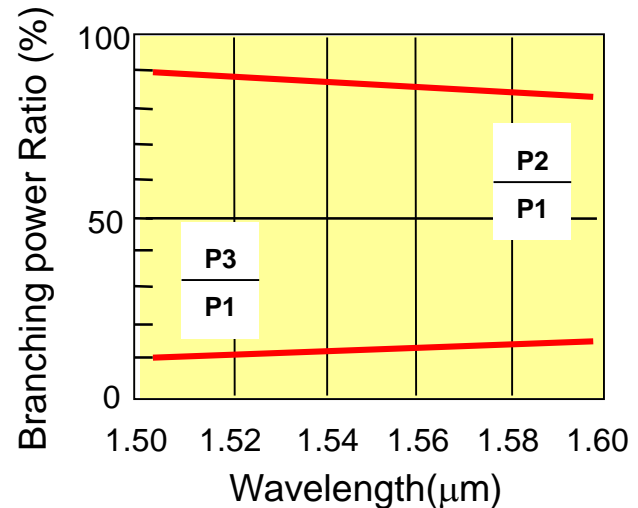
Tap coupler

Tap couplers are used to monitor optical power by splitting input power

Fujikura supplies couplers with various coupling ratio, e.g. 2% - 50%



An example of Tap coupler

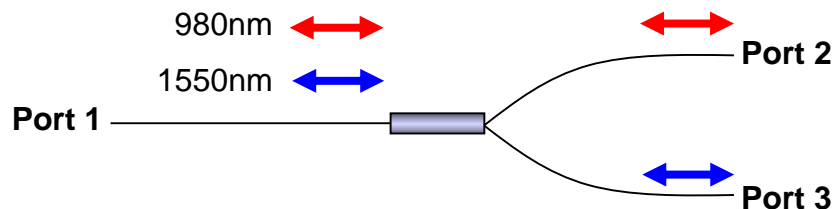


An example of coupling ratio

WDM coupler

WDM : Wavelength division multiplexing

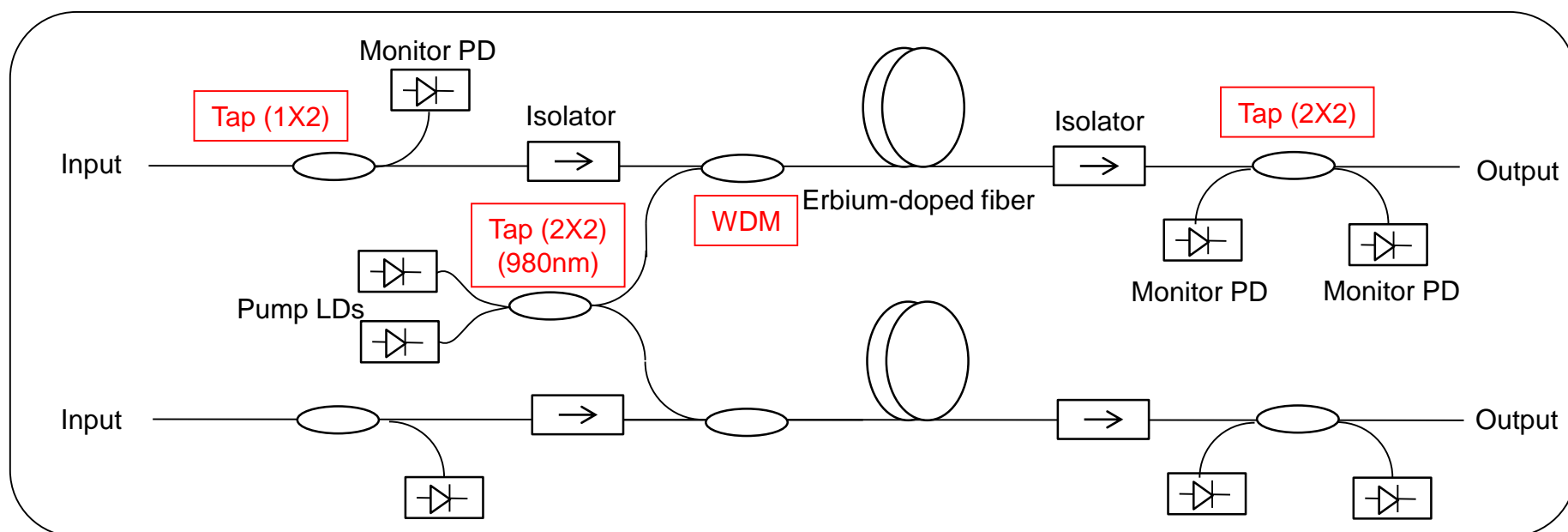
**WDM couplers split / combine optical signals of different wavelengths,
e.g. 980nm/1550nm.**



An example of WDM coupler

Applications of optical fiber couplers

Coupler type	Application
Tap (1X2, 2X2)	-Splitting signal -Splitting / Combining pump LD light
WDM	Combining signal and pump



Configuration of optical amplifier