

# 1050nm/550nm Wavelength Division Multiplexer for OCT

## SPEC SHEET

### Key Features

- Available for any center wavelength, band width, coupling ratio
  - Wide operating wavelength range and excellent flatness
  - Available for various fiber options
  - High stability of SOP against temperature
- \*SOP: State of Polarization

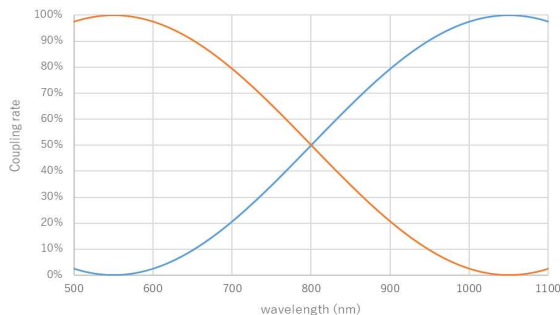


### Optical Specifications

Parameter	Unit	Port 1	Port 2
Center Wavelength	nm	1050	550 <sup>a</sup>
Operating Wavelength Band Width	nm	±50 <sup>b</sup>	±20
Insertion Loss <sup>c</sup>	dB	≤ 0.5	≤ 1.5
Isolation <sup>c,d</sup>	dB	≥ 13	N/A
Min. Directivity <sup>c</sup>	dB	50 (Typ. ≥ 55 dB)	
Fiber Type	-	Single mode fiber (Standard: Corning HI 1060)	
Operating Temperature	°C	-5 to +75	
Storage Temperature	°C	-40 to +85	

- Light at these wavelengths will be multimode due to the fiber cut-off wavelength.
- Below the fiber cut-off wavelength, single mode operation is not guaranteed.
- All values are specified over the bandwidth without connectors.
- Calculated from insertion loss specification above.

### Typical Optical Specifications



A simulation of 1050/550nm, WDM Coupler