

# Wide Band OCT Coupler 1310 +/-70nm

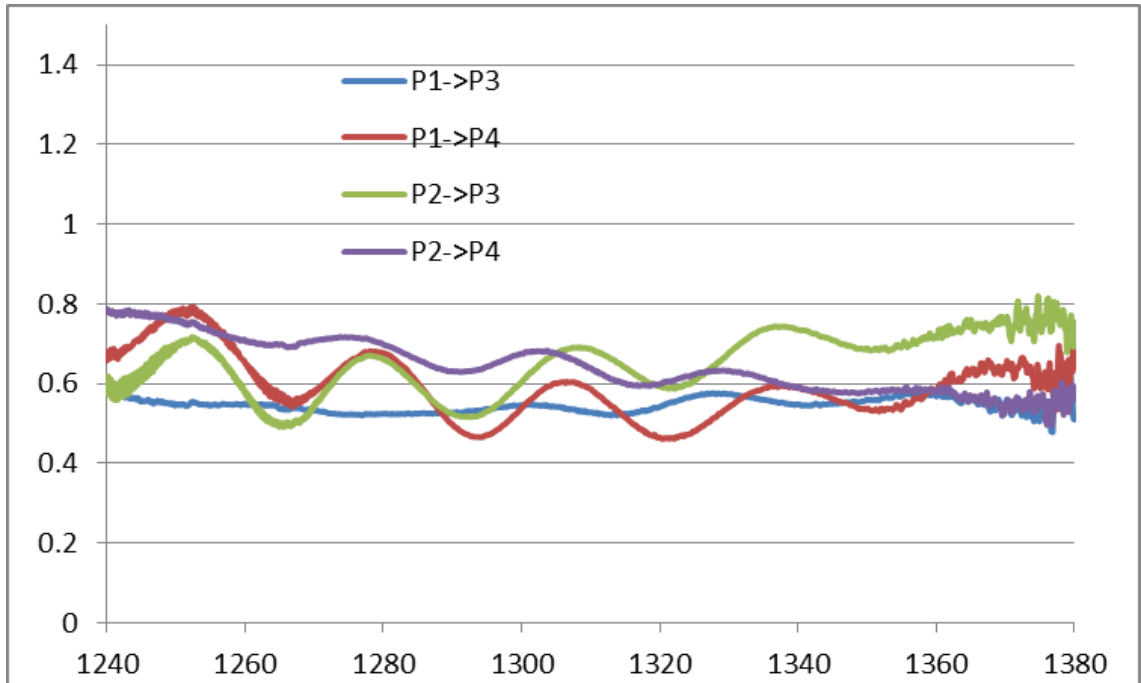
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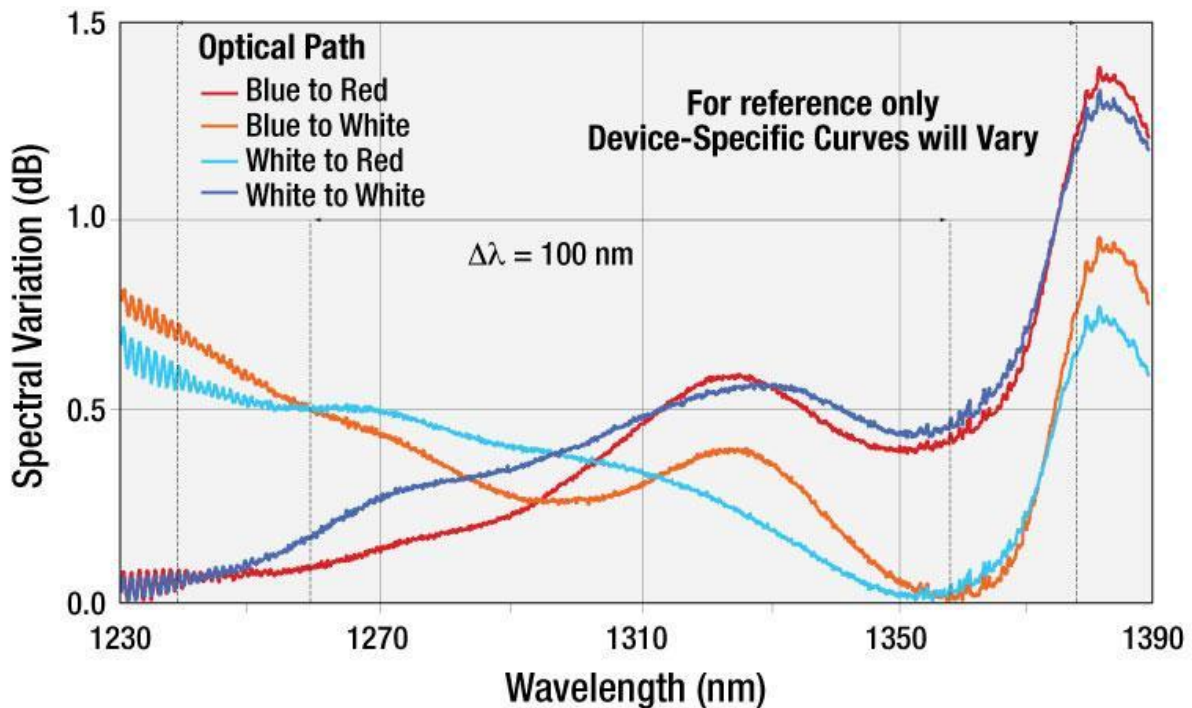
Features	Applications
Based on Thin Film Filter technology Wideband and extremely stable	Used for Optical Coherent Tomography (OCT) systems where a broad spectral range with minimal spectral dependency is essential.
Optical Parameters	Specifications
Bandwidth ( nm)	1310 $\pm$ 70nm Other bands are available upon request
Coupling Ratio	50/50 $\pm$ 5% (Any other ratios are available)
Extra Loss (dB)	0.8 without connectors
Polarization Dependent Loss (dB)	$\leq$ 0.15
Directivity (dB)	$\geq$ 55
Mechanical	
Dimension (mm)	5.5x6.5x 50mm Protection Rubber Boot 12.5mm
Fiber/Connector	900 um buffered SMF-28 fiber 1.0m,
Environmental	
Operating Temperature Range (°C)	0 to 70
Storage Temperature (°C)	-40 to 85



# Performance Comparison



Filter-Based Wideband Coupler with IL Variation of 0.2 dB



Fused-Fiber Wideband Coupler with IL Variation of 1.5 dB (Thorlabs)

