

CPT2 Series: Single Mode Single Window Wide-band Fused Tree Couplers

Parameters		Performance (Excluding connectors)			
Center Wavelength λ_c , (nm)		1310, 1480, 1550			
Operating Wavelength (nm)		$\lambda_c \pm 40$			
Configuration M=1, 2, or N		M x 4	Mx8	Mx16	Mx32
Split Ratio (%)		Even			
Maximum Insertion Loss @ 25 °C (dB)	P	6.8	10.0	13.3	16.8
	A	7.4	11.0	14.5	18.5
Maximum PDL (dB)	P	0.2	0.3	0.4	0.5
	A	0.3	0.4	0.5	0.6
Maximum TDL (dB)		0.3	0.45	0.6	0.75
Optical Directivity (dB)		= 50			
Operating temperature (°C)		-40 ~ 80			
Storage temperature (°C)		-40 ~ 85			
Fiber Type		Corning SMF-28			
Package Dimension (mm)					
900 μ m Loose Tube		Tree: 100 x 64 x 6.4 Star: 100 x 72 x 6.4	Tree: 100 x 72 x 6.4 Star: 100 x 90 x 8	Tree: 100 x 90 x 8 Star: 19" Rack Mount 1-U high	Tree: 100 x 90 x 16 Star: 19" Rack Mount 1-U high
3 mm or 2mm Jacket		Tree: 130 x 64 x 6.4 Star: 130 x 72 x 6.4	Tree: 130 x 72 x 6.4 Star: 130 x 90 x 8	Tree: 130 x 90 x 8 Star: 19" Rack Mount 1-U high	Tree: 130 x 90 x 16 Star: 19" Rack Mount 1-U high, SC Adapter
LGX Module		Tree: 1U Star: 2U	Tree: 2U Star: 3U	Tree: 3U Star: 19" Rack Mount 1-U high, SC Adapter	Tree: 19" Rack Mount 1-U high, SC Adapter Star: 19" Rack Mount 2-U high, SC Adapter

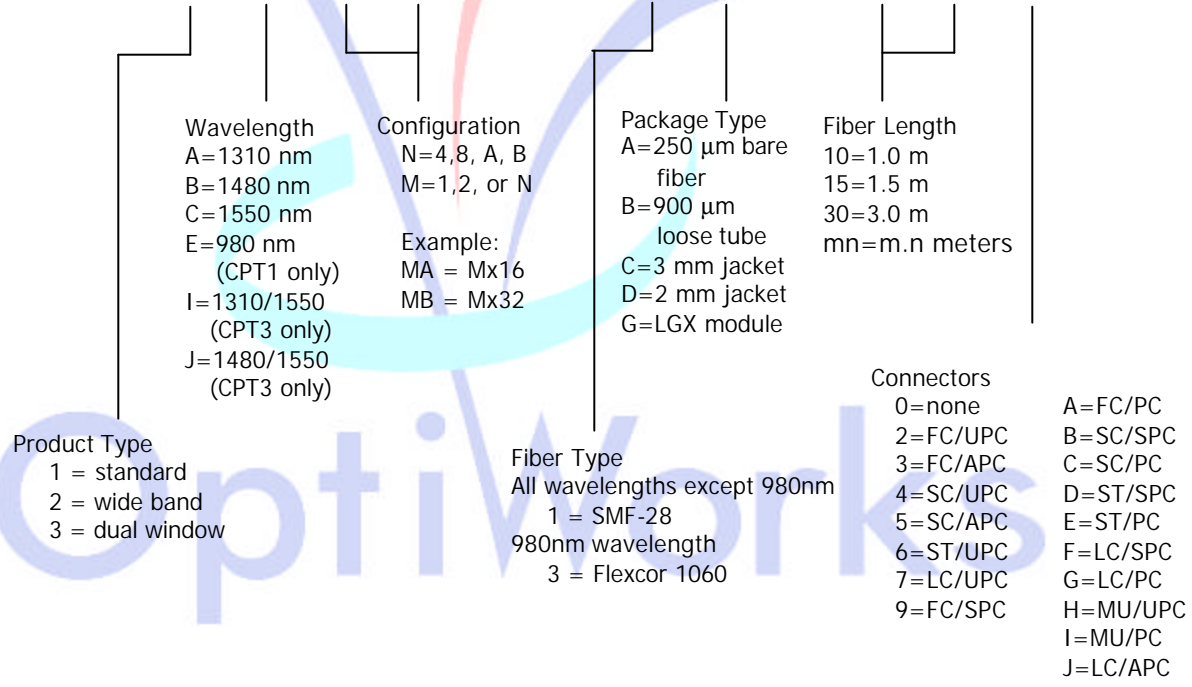
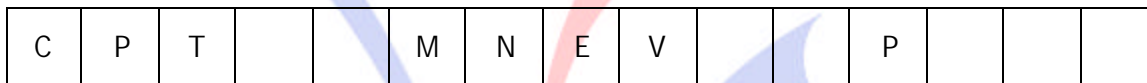
OptiWorks Inc., 44951 Industrial Drive, Fremont, CA 94538 Tel: +1 510 438 4560 Fax: +1 510 438 4470
Email: Sales@optiworks.com

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Product Family: CPT Series

CPT	<p>Single-mode fused tree or star couplers operating in the 1310 nm, 1480 nm, and/or 1550 nm regions (Center wavelength = λ_c).</p>	<p>CPT1: Single-mode tree or star couplers operate over ($\lambda_c \pm 10$) nm wavelength range.</p> <p>CPT2: Single-mode tree or star couplers operate over ($\lambda_c \pm 40$) nm wavelength range.</p> <p>CPT3: Single-mode tree or star couplers operate over dual wavelength windows (1310\pm40/1550\pm40 nm or 1480\pm40/1550\pm40 nm)</p>
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Part Number for CPT Family



OptiWorks Inc., 44951 Industrial Drive, Fremont, CA 94538 Tel: +1 510 438 4560 Fax: +1 510 438 4470

Email: Sales@optiworks.com