

CPT3 Series: Single Mode Dual Window Wide-band Fused Tree Couplers

Parameters		Performance (Excluding connectors)			
Center Wavelength λ_c , (nm)		1310/1550			
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	7.2	10.9	14.5	18.3
	A	7.8	11.2	15.0	19.0
Maximum PDL (dB)	P	0.2	0.3	0.5	0.6
	A	0.3	0.4	0.5	0.6
Maximum TDL (dB)		0.4	0.6	0.8	1.0
Optical Directivity (dB)		= 50			
Operating temperature (°C)		-40 ~ 80			
Storage temperature (°C)		-40 ~ 85			
Fiber Type		Corning SMF-28 for others			
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 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	

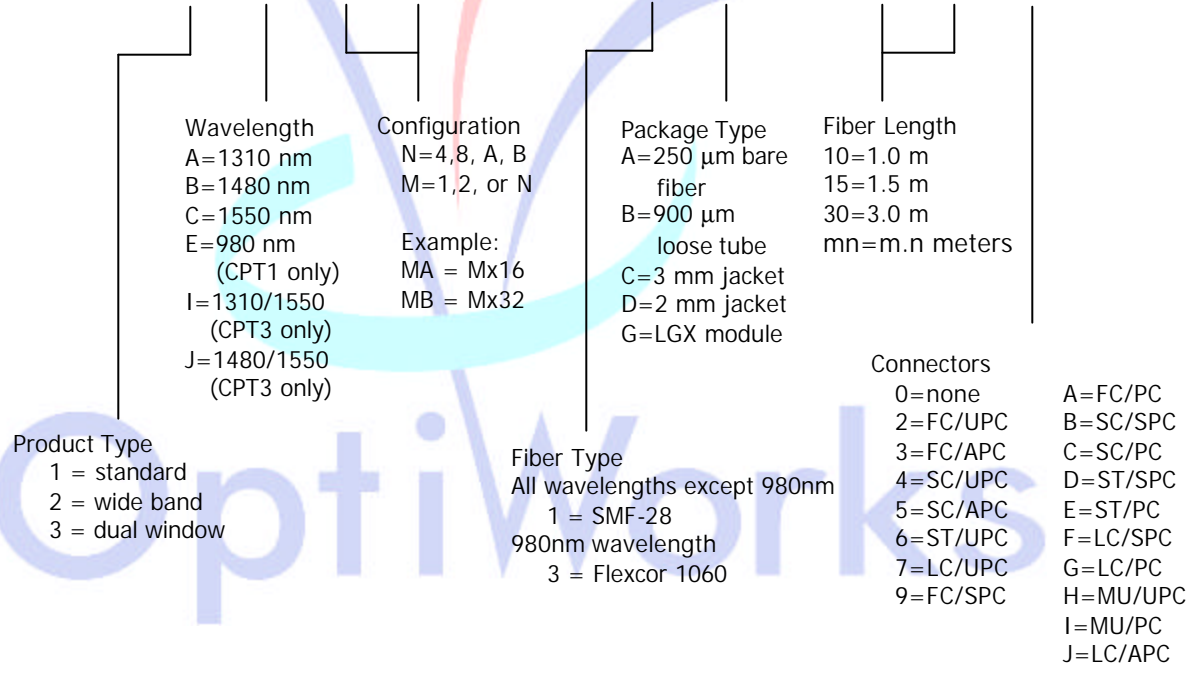
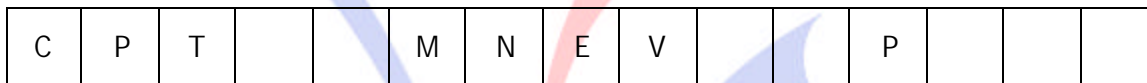
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Product Family: CPT Series

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



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