



Ultra-Low PDL Fused Tap Coupler

LPTC Series, 1x2, 2x2



Features

- Wavelength Independent
- Ultra Low Polarization Dependent Loss
- High Directivity
- Highly Stable and Reliable

Applications

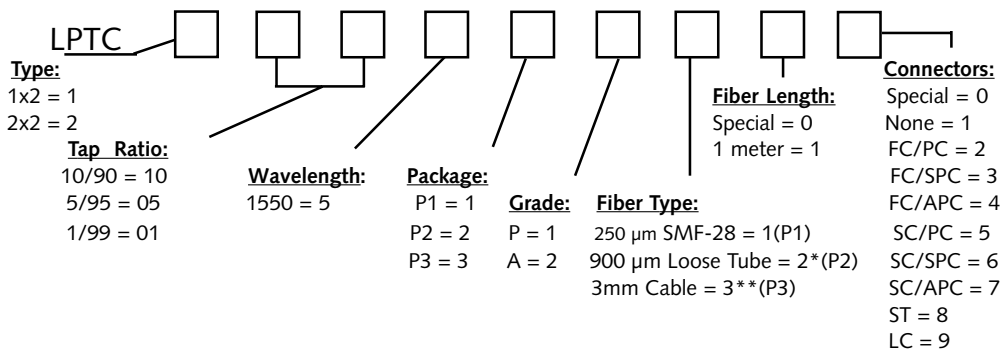
- Telecommunications
- CATV
- Network Monitoring
- Local Area Network

Performance Specifications

LPTC Series (1x2, 2x2)		Premium	Grade A
Coupling Ratio		1/99 to 10/90	
Operating Wavelength (nm)		1550±40	
Directivity (dB)		≥ 55	
Insertion Loss (dB)	Split Ratio: 10/90	≤ 10.8/0.6	≤ 12.0/0.8
	Split Ratio: 5/95	≤ 13.4/0.4	≤ 14.4/0.4
	Split Ratio: 1/99	≤ 21.0/0.2	≤ 21.5/0.25
Polarization Dependent Loss (dB)		≤ 0.03	≤ 0.05
Maximum Power Handling (mW)		300	
Maximum Tensile Load (N)		5	
Temperature Sensitivity (dB/°C)		≤ 0.002	≤ 0.002
Operating Temperature (°C)		-40 to +70	
Storage Temperature (°C)		-40 to +85	
Package Dimension (mm)		P1: 250 μm SMF-28 fiber	(φ) 3.0 x (L) 60
		P2: 900 μm loose tube	(φ) 3.0 x (L) 65
		P3: 3 mm cable	(L) 96 x (W) 12 x (H) 6.4

Values are referenced without connector loss.

Ordering Information



Note: * Use P2 Package only
** Use P3 Package only