

光纖分歧器

- ◆ 係用於光纖用戶迴路，如將光訊號功率均勻地依所需比例分歧引出或平均分配到各路由。適用在光纖網路的兩端或屋外。
- ◆ 設計考量包括輸入、輸出埠數、工作波長、工作溫度、插入損失。
- ◆ 此卡匣式模組適用於 TCC 規格之所有機架。



Optical Couplers and Splitters

- ◆ Tai Tung's fiber optic splitters are used to split single optical path into multiple optical path by providing the lowest polarization dependent losses with excellent uniformity, high quality and reliability over a wide range of temperature.
- ◆ Design considerations include the number of inputs/outputs, operating wavelengths, operating temperatures, insertion losses.
- ◆ Available in a modular card system with TCC range of optical distribution racks.

Splitter Specification

Specification		Unit	1 x 8	2 x 8	1 x 16	2 x 16	1 x 32	2 x 32	1 x 64	2 x 64
Operating Wavelength		nm	1260-1650							
Insertion Loss	With Connector	dB	≤ 10.7	≤ 10.9	≤ 13.9	≤ 14.3	≤ 17.2	≤ 17.5	≤ 20.5	≤ 22.8
	Without Connector		≤ 10.4	≤ 10.6	≤ 13.6	≤ 14.0	≤ 16.9	≤ 17.2	≤ 20.2	≤ 22.5
Uniformity		dB	≤ 0.8	≤ 1.0	≤ 1.0	≤ 1.4	≤ 1.4	≤ 1.9	≤ 2.5	≤ 3.0
Polarization Dependent Loss		dB(p-p)	≤ 0.3	≤ 0.4	≤ 0.3	≤ 0.4	≤ 0.3	≤ 0.4	≤ 0.3	≤ 0.4
Return Loss		dB	≥ 50							
Directivity		dB	≥ 55							
Input Fiber	Type	-	G657A SM fiber							
	Diameter	mm	0.25							
	Length	mm	Customized							
Output Fiber	Type	-	Ribbon fiber							
	Diameter	mm	0.3							
	Length	mm	Customized							
Operating Temperature		°C	-40 to +85							
Operating Humidity		%RH	95 Maximum							
250 µ m Bare Fiber Splitter Package Dimension		(L)mm	40	45	45	55			65	
		(W)mm	4	5	5	7			11	
		(H)mm	4	4	4	4			4	
900 µ m Loose Tube Splitter Package Dimension		(L)mm	80			100			130	
		(W)mm	23			23			23	
		(H)mm	7.5			7.5			14	
Standard Referenced			ML3364-6							
Features		Small size, Light weight, Small bending radius, Stress resistant, Waterproof, Suitable in harsh conditions								