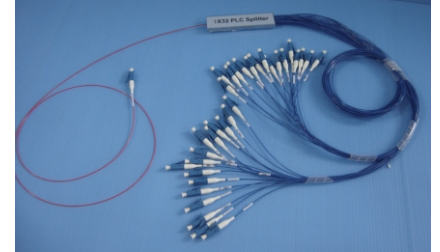


DESCRIPTION

SINTON's single-mode Planar Light Wave Circuit Splitter (PLCS) are developed based on unique silica glass waveguide process with reliable precision aligned fiber pigtail in a miniature package, it provides a low cost light distribution solution with small form factor and high reliability.

It is used for small spaces can be easily placed in a formal outdoor joint boxes and splice closure which passed SGS and IP68 standard of testing or LGX/rack mountable box. All SINTON's PLC splitter module are suitable for outdoor installation and environment.

The PLCS devices have standard configurations of 1:2, 1:4, 1:8, 1:16, 1:32 and 1:64 configurations, as well as customized structures of 2:4, 2:8, 2:16, 2:32 and 2:64 and connector type of SC, FC or LC. All connectors compliance with RoSH and UL 94 V-0.



KEY FEATURES:

- Good uniformity and low insertion loss:
- Compact design
- Low Polarization Dependent Loss
- High reliability
- High channel counts
- Excellent Environmental Stability
- Customized packaging and configuration
- Satisfy with industry standards YD/T893 and YD/T1117.

AVAILABLE CONNECTOR

- SC/UPC, SC/APC
- FC/UPC, FC/APC
- LC/UPC, LC/APC

APPLICATIONS:

- Fiber Optic Telecommunications
- LAN (Local Area Network)
- FTTH (Fiber To The Home)
- CATV&CCTV
- High speed transmission systems
- Fiber optic sensing

COMPLIANCE

ITL Telcordia GR-1209-CORE ISO9001 Quality System Certification
ITL Telcordia GR-1221-CORE RoHS Compliance
UL 94 V-0

PERFORMANCE SPECIFICATIONS

Parameters		Specification*										
Channel Wavelength (nm)		1260-1650										
Fiber Type		SM Fiber G.657A										
TYPE		1:2	1:4	1:8	1:16	1:32	1:64	2:2	2:4	2:8	2:16	2:32
Insertion Loss(dB) @20°C~25°C	Without connector	<3.8	<7.2	<10.4	<13.7	<17.0	<19.7	<4.0	<7.6	<11.2	<14.5	<17.7
	With connector	<3.9	<7.4	<10.8	<14.0	<17.3	<20.0	<4.2	<7.8	<11.5	<14.5	<17.8
Uniformity (dB) with connector		≤0.6	≤0.6	≤0.8	≤1.2	≤1.5	≤1.7	≤1.2	≤1.2	≤1.6	≤2.2	≤2.5
PDL(dB) With connector		≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.4	≤0.3	≤0.3	≤0.3	≤0.4	≤0.4
Return Loss (dB) with connector		≥55					Directivity (dB) with connector			≥55		
Operating Temperature (°C)		-40°C ~ +85°C					Storage Temperature (°C)			-40°C ~ +85°C		
Relative Humidity (%)		95%					Storage relative humidity			95%		
Connector Type		Customer Specified (SC, LC, FC)										
Fiber Length		1M or customer specified										

* Specifications may change without notice.

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