

**Product Feature:**

- Low insertion loss
- High return loss
- Telcordia GR-1209-CORE 2010 compliance
- Telcordia GR-1221-CORE 2010 compliance
- YD/T2000.1-2014 compliance

**Application:**

- FTTx
- PON networks
- CATV
- Data communication


**Product Selection**

Type	Input	Output	Tube Dia. (mm)	Length(m)	Fiber Type	Color
1*4	SC/APC	SC/APC	LSZH 2.0	1	G657A2	Yellow

**Overall dimensions of the module box**

Product Type	Tube Diameter (mm)	module box Size (Lx Wx H) mm
1*4	2.0	100*80*10

**Typical PLC Splitter Micro Type Optical Parameters**

Product Type	1x4
Fiber Type	G. 657A2
Working Wave Length (nm)	1260nm~1650nm
IL (dB)	≤7.6
Uni (dB)	≤0.8
PDL (dB)	≤0.2
RL (dB)	≥55APC
Directivity (dB)	≥55

## Mechanical Test

No.	Test	Performance	Results
1	Drop Test	1.8m, 3 directions, 8 times/direction, 5 cycle times	1. IL variation $\leq$ 0.5dB 2. Appearance checking
2	Vibration Test	Frequency: 10~55HZ	
		Scan: 45 times/min	
		Amplitude: 0.75mm	
		Time: X, Y, Z direction/30 min	
3	Fiber Torsion Test	Load: $\emptyset$ 0.9 mm, 4N;	
		Method: 22~28cm, $\pm 180^\circ$ , 10 times/Min, 25 times	
4	Fiber Tension Test	Load: $\emptyset$ 0.9 mm, 4N;	
		Method: 22~28cm.	

## Reliability Test

No.	Test	Performance	Results
1	High temperature storage (dry)	85°C ( $\pm 2^\circ$ C), humidity < 40RH, 2000h	1. IL variation $\leq$ 0.5dB; 2. Appearance checking
2	Low temperature storage	-40°C ( $\pm 5^\circ$ C), 2000h	
3	High temperature storage (humid-heat)	75°C ( $\pm 2^\circ$ C), 90% ( $\pm 5\%$ ) RH, 500h (COa), 2000h (UNCb)	
4	Temperature Cycle	-40°C~+85°C, 8h/Cycle, 500 cycles.	

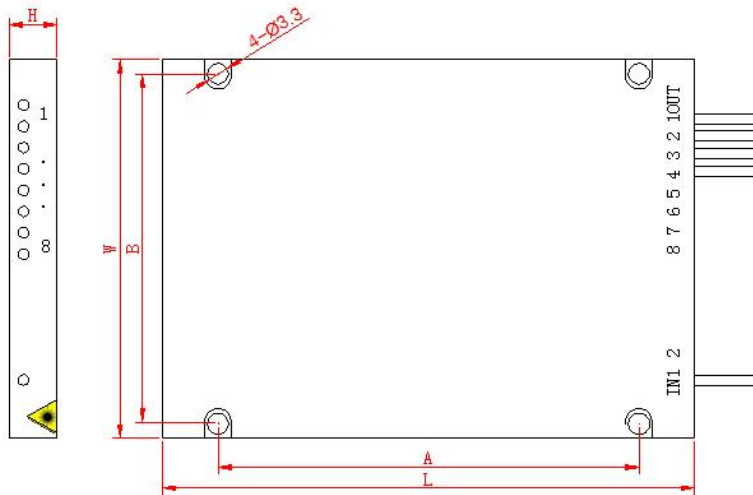
## Box type optical splitter

- The box-type optical splitter should directly lead out the pigtail plug with the outer sheath outer diameter of  $\Phi 2.0\text{mm}$  or  $\Phi 3.0\text{mm}$ . When the order has no special requirements, the outer diameter of the sheath is  $\Phi 2.0\text{mm}$ .
- The color of the module box of the box-type optical splitter is black, and the appearance is smooth, clean, free of oil stains, scratches and cracks; the locking parts for fixing the box body are not missed, beaten, screws are not tightened, and screws Defects such as slippage and scratches on the surface of the screw. The surface of the fan-out pigtail should not be blistered, peeled, discolored, or damaged, and the end joints should be free of glue overflow and firmness and looseness. The dimensions are shown in Table 1.
- The label is required to be pasted on the module box, and the label should be in the center and be firmly pasted. The specific requirements of the label are shown in Figure 1.
- When there are no special requirements for the box-type optical splitter, the protective tube is yellow.
- Box-type optical splitter (including with connector and without connector) fan-out pigtail must be covered with a number tube, the number tube is a white plastic tube, the printing on the number tube is black, and the printing is not easy. wipe. The output port number tube prints from 1 to N (N is 2, 4, 8, 16, 32, 64), and the input port number tube prints IN (1×N) or IN1, IN2 (2×N) Refer to Appendix A for the sequence of number tubes. For box-type optical splitters with connectors, the number tube should be close to the connector. For box-type optical splitters without connectors, the number tube should be close to the splitter side.

6. The connector is assembled in place; the tail sleeve does not fall off; the dust cap is not missed. All connectors must be flexible and smooth. Kevlar shall not be exposed (Kevlar will not be visible after the boot is assembled). SC shell is flexible (the shell will fall automatically when the ferrule falls from top to bottom).

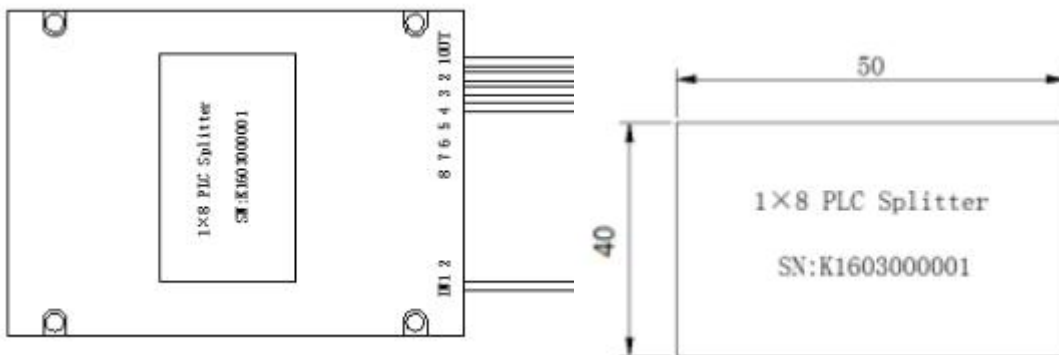
7. The fan-out length of the pigtail of the box-type optical splitter: L meters, "L" is the length required by the order.

Note: The length tolerance of products less than 0.5m is 0~5cm; the length tolerance of products greater than 3m is 0~5% of the order length.



**Dimension of Box: mm**

Type	1*2/4/8
size (L*W*H)	100*80*10
Installation size (A*B)	70×73.5



## Packing detail

Packed in a carton, one in a box, paste the inner box label on the upper left corner of the inner box of the insert, and then put it into the outer box according to the specified quantity, and put the outer box label on the upper left corner of the outer box

Split ratio	Number of packages per box	Carton Box size(mm)
$\leq 1:8$	50	460×475×290