

## Single Mode Tree Coupler Module

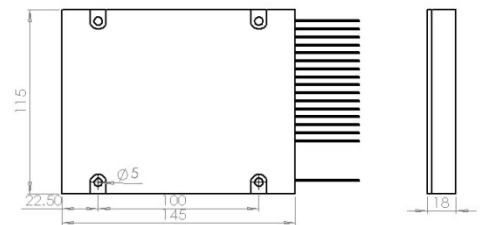
The star coupler modules are based on cascading single mode Fibre couplers. They are specially packaged for FTTH, optical LAN and CATV networks. We provide 1xN, 2xN or NxN star or tree coupler modules, with option of single window (1310nm or 1550nm) or dual-window (1310&1550nm), standard bandwidth (+/-20nm) or wide bandwidth (+/-40nm), standard PDL or low PDL modules.

### Features

- Exceptional low excess loss
- Low PDL
- Excellent uniformity
- High stability and reliability

### Applications

- Communication Systems
- Optical CATV/LAN
- FTTH



### Specifications

Parameter	1X4/2X4/4X4	1X8/2X8/8X8	1X16/2X16/16X16	1X32/2X32/32X32
Operating wavelength	Single window :1310 or 1550 ; Dual window: 1310and1550			
Bandwidth	Standard : ±20; wideband : ±40			
Max. Excess Loss (dB)	0.2	0.3	0.4	0.5
Typical insertion loss (dB)	6.2	10.2	13.6	17
Uniformity (dB)	<1.2	<1.8	<2.4	<3.0
MAX.PDL (dB) <sup>2</sup>	0.1	0.15	0.2	0.25
MAX.TDL (dB)	0.2	0.3	0.4	0.5
Operating temperature	-40 ~ 70			
Pigtail type	900 μm loose tube , 2mm or 3mm cable			
Dimension	145X115X18 available customized metal package box			

### Order Information

P/N: SMTC - ① - ② - ③ - ④ - ⑤ - ⑥ - ⑦

① Port	② Operating Wavelength	③ Coupling Ratio	④ Fibre Type	⑤ Fibre Diameter	⑥ Fibre Length	⑦ Connector
1:1x4	13:1310nm	50:50/50	S:SMF-28	2:250μ	1:0.8 m	00: bare fiber
2:1x8	15:1550nm	X:XX	H:HI-1060	9:900μ	2:1.0 m	FC:FC/PC
3:1x16	X:XX		X:XX	2:2.0mm	X:XX	SA:SC/PC
4:1x32				3:3.0mm		LP:LC/PC

**Note1:** IL and RL Values specified are without connector loss.

**Note2:** Specifications are subject to change without notice.

**Note3:** add 0.3dB for dual-window (1310 and 1550)

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