



Single Mode Broadband Tree Coupler

The Single Mode Broadband Star Coupler module has either single-window or dual-window types. It can be widely used in the fiber optical networks, and provides excellent uniformity and low insertion loss. The product can be assembled to meet the customer requirements and has passed the Bellcore GR-1209-CORE specifications.



Features

- wide Bandwidth and Low Insertion Loss
- Accurate Performance
- Excellent Quality and High Reliability

Applications

- Fiber Distribution Network
- Telecommunication
- CATV Network
- Test Equipment

Specifications

Single Window		1x4		1x8		1x16	
Operation Wavelength	(nm)	1310 or 1550					
Operation Bandwidth	(nm)	±40					
Grade		P	A	P	A	P	A
Insertion Loss	(dB)	<6.8	<7.3	<10.2	<11.3	<13.6	<14.7
Uniformity	(dB)	<1.2	<1.8	<2.0	<3.0	<2.4	<3.8
Directivity	(dB)	>55					
Operating Temperature	(°C)	-40~+70					
Storage Temperature	(°C)	-40~+85					

Dual Window		1x4		1x8		1x16	
Operation Wavelength	(nm)	1310 and 1550					
Operation Bandwidth	(nm)	±40					
Grade		P	A	P	A	P	A
Insertion Loss	(dB)	<7.0	<7.6	<10.4	<11.6	<14.0	<15.2
Uniformity	(dB)	<1.4	<2.3	<2.2	<3.3	<3.0	<4.2
Directivity	(dB)	>55					
Operating Temperature	(*)	-40~+70					
Storage Temperature	(*)	-40~+85					

Ordering Information

STC -□-□-□-□-□-□-□

- Coupling Ratio: Customer Specified
- Input/Output: 1: Adaptor; 2: Connectors: FC/APC, FC/UPC, SC/APC, SC/UPC, or Others
- Cable length in meters:
- Cable Type: 09: ø0.9mm, 30: ø 3.0mm
- Grade: P: Premium, A: Grade A
- Wavelength: 131: 1310nm, 155: 155-nm (Single Window)
135: 1310/1550nm (Dual Window)
- Type: 14: 1x4, 18: 1x8, 116: 1x16