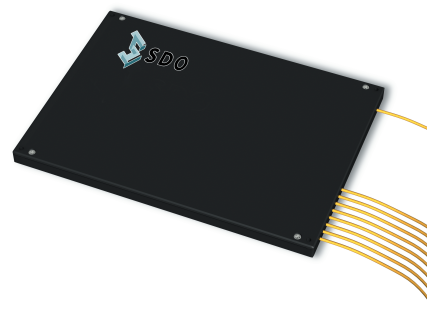


Single Mode Fused Fiber Tree/Star Coupler

The single mode fused fiber tree/star coupler series are bi-directional high port devices for splitting or combining light power. With the low loss and high uniformity, single mode fused fiber tree/star couplers are ideal for fiber distribution, CATV, and telecommunications. Please select from Standard, Broadband, or Dual Window Broadband Couplers Series

Features

Low Insertion Loss
Low Polarization Dependent Loss
Excellent Environmental Stability



Specifications

Parameter		Unit	Description							
Fiber Type			SMF-28							
Port Configuration (Equal Split)			1 x 4		1 x 8		1 x 16		1 x 32	
Grade			P	A	P	A	P	A	P	A
Wavelength		nm	1310 or 1550							
Standard		nm	±10							
Insertion Loss	Max.	dB	6.7	7.2	10.0	11.0	13.0	14.0	17.0	18.0
Excess Loss	Typ.	dB	0.3	0.5	0.5	0.9	0.8	1.2	1.1	1.5
Uniformity	Max.	dB	0.8	1.2	1.2	3.0	2.4	3.8	3.2	5.0
Polarization Dependent Loss	Max.	dB	0.2		0.3		0.4		0.5	
Wavelength		nm	1310 or 1550							
Broadband		nm	± 40							
Insertion Loss	Max.	dB	6.8	7.4	10.2	11.3	13.6	15.1	17.6	19.0
Excess Loss	Typ.	dB	0.4	0.6	0.6	0.9	1.0	1.4	1.3	1.7
Uniformity	Max.	dB	0.8	1.2	1.2	3.0	2.4	3.8	3.2	5.0
Polarization Dependent Loss	Max.	dB	0.2		0.3		0.4		0.5	
Wavelength		nm	1310 and 1550							
Dual W indow Broadband		nm	± 40							
Insertion Loss	Max.	dB	7.2	7.6	10.7	11.7	14.5	15.5	18.5	19.9
Excess Loss	Typ.	dB	0.4	0.6	0.6	0.9	1.0	1.4	1.3	1.7
Uniformity	Max.	dB	1.5	2.2	2.2	3.3	3.0	4.4	3.8	5.6
Polarization Dependent Loss	Max.	dB	0.3		0.5		0.6		0.7	
Temperature Coefficient	Max.	dB/°C	0.003		0.004		0.006		0.008	
Directivity	Min.	dB	50							
Operating Temperature		°C	-40 to +85							
Storage Temperature		°C	-50 to +85							
Package Dimensions		mm	100x80x7		136x96x7		136x96x10		136x96x19	

Ordering Guide

Wavelength		Grade	Port	Customer Code	Package	Pigtail Length	Connector
SC	BC						
W SC=Standard	13=1310	P=P Grade	04=1x4	00=Default	L=900μm	1=1 meter	0=N one
W BC=Broadband	15=1550	A=A Grade	08=1x8		losse tube	2=2 meter	1=fc/pc
W TC=Dual Window	35=1310/1550	S=C ustom Spec	16=1x16		R=3mm cable		2=sc/pc
			32=1x32				3=fc/apc
							4=sc/apc
							5=st
							S=Special