



Single Mode Dual Window Wideband Star Coupler Module SDSC-NxN (SDSC Series)

The SDSC Single Mode Broadband Star Couplers are based on BTF technology. They offer very low insertion loss, low polarization dependence, well controlled uniformity in a wide wavelength range as excellent environmental stability. These modules have been extensively used to split and mix optical signals in CATV, LANs and all other kinds of optical communication systems.



Specifications

Parameters	Unit	Values			
Configuration		4x4	8x8	16x16	32x32
Grade		P			
Operating Wavelength	nm	1310 and 1550			
Bandwidth	nm	±40			
Max. Insertion Loss	dB	7.0	10.5	14.0	17.5
Max. PDL	dB	0.3	0.45	0.6	0.8
Max. Uniformity	dB	1.6	2.4	3.2	4.0
Directivity	dB	50			
Fiber type		Corning SMF-28			
Operating Temperature		-5 °C to +70 °C			

*The above specification is for module without connector

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Ordering information

SDTC- - - - - - - -

: Port	: Grade	: Connector Type	: Fiber Length
0404 - 4x4	P - P grade	1 - FC/UPC	H - 0.5m
0808 - 8x8	S - Specify	2 - ST/UPC	S - Specify
1616 - 16x16		3 - LC/UPC	
3232 - 32x32		4 - FC/APC	
		5 - SC/APC	
		6 - SC/UPC	
: Wavelength	: Package Dimensions	N - None	
3155 - 1310&1550	A - 100mmx80mmx7mm(For Nx4)	S - Specify	
	B - 120mmx96mmx15mm(For NX8)		
	C - 140mmx116mmx18mm(For Nx16,Nx32)		
: Coupling Ratio	: Fiber Type		
BA - Balance	D - LGX compatible	L - 900um loose tube	
01 - 1% Tap/Balance	S - Specify	C - 3mm loose cable	
05 - 5% Tap/Balance			
SS - Specify			