

# FUSED FIBER COUPLERS

## SINGLE WINDOW BROADBAND 1xN COUPLER

DiCon's Single Window Broadband 1xN Couplers are designed for splitting power signals in the 1550 nm or 1310 nm windows. DiCon's Single Window Broadband 1xN Couplers have excellent uniformity, low excess loss, and low PDL.



### FEATURES

- Low insertion loss
- Low PDL
- Low wavelength dependence loss
- Tested to Telecordia GR-1221 (bare fiber version)

### APPLICATIONS

DiCon's Single Window Broadband 1xN Couplers are designed for use in telecommunication equipment, CATV networks, and test equipment.



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## SPECIFICATIONS<sup>1</sup>

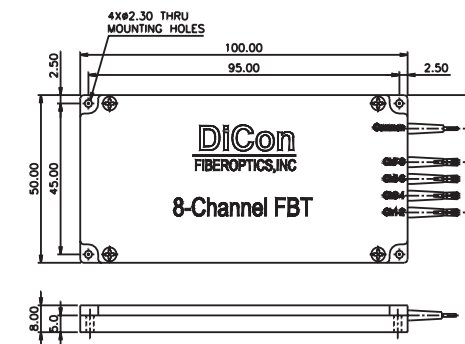
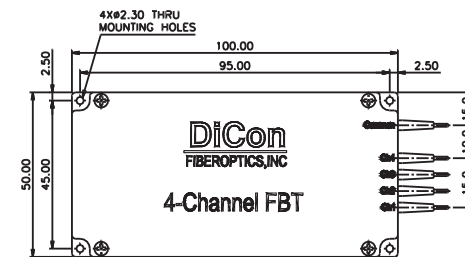
Directivity	50 dB min.
Back-reflection	-50 dB max.
Fiber type	9/125 Corning SMF-28
Operating temperature	-40°C to + 70°C
Storage temperature	-40°C to + 85°C

1. All specifications referenced without connectors.

## COUPLING RATIO TABLE

	Insertion loss		Uniformity		PDL	
	Premium	Standard	Premium	Standard	Premium	Standard
1x4	6.8	7.2	1.2	1.7	0.15	0.2
1x8	10.2	10.8	1.8	2.5	0.2	0.3
1x16	13.5	15.1	2.4	2.5	0.3	0.4
1x32	17.5	18.5	3.0	3.5	0.4	0.5

## HOUSING DIMENSIONS



Units: mm

## ORDERING INFORMATION

SBTC - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/>	
Grade	
1	Premium
2	Standard
Passband	
13	1270 - 1350 nm
15	1550 - 1590 nm
X	Specify value
Port Configuration	
4	1x4
8	1x8
16	1x16
32	1x32
Connector Type	
FC	FC/SPC
FC/APC	FC/APC
FC/UPC	FC/UPC
SC	SC/SPC
SC/APC	SC/APC
SC/UPC	SC/UPC
ST	ST/SPC
ST/UPC	ST/UPC
LC	LC/SPC
LC/UPC	LC/UPC
MU/UPC	MU/UPC
N	None
Fiber Jacket	
2	250 micron, 200 kpsi bare fiber
9L	900 micron, loose tube
Pigtail Length	
1	1 meter
X	Specify X meters