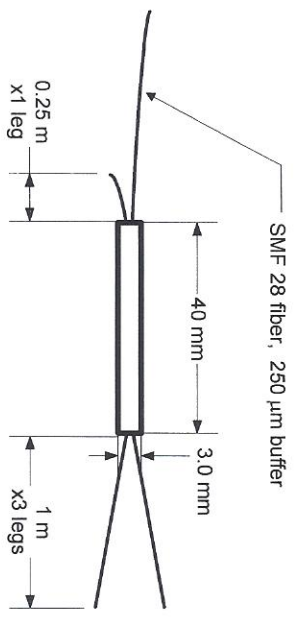


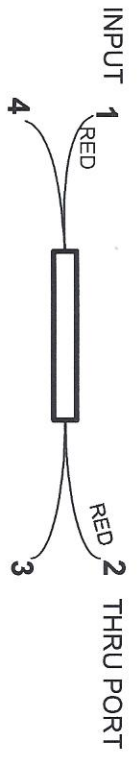
PRODUCT DESCRIPTION:
 Dual Wavelength Broadband Splitter
 1270-1350, 1510-1590 nm
 50/50 SPLIT RATIO
 1 INPUT,
 2 OUTPUTS
 1 external termination
 60 x 3 mm STAINLESS STEEL TUBE

PHYSICAL REQUIREMENTS



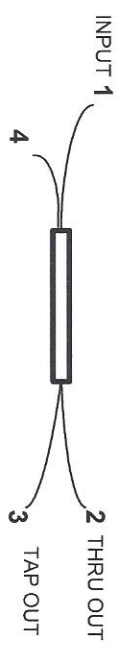
ITEM	Description	OUTPUT(S): 2
CONFIGURATION	INPUT(S): 1	40 X 3 mm
PACKAGE	UNMARKED STAINLESS STEEL TUBE	250 μm buffer
FIBER	SMF 28	

PORT DESIGNATIONS

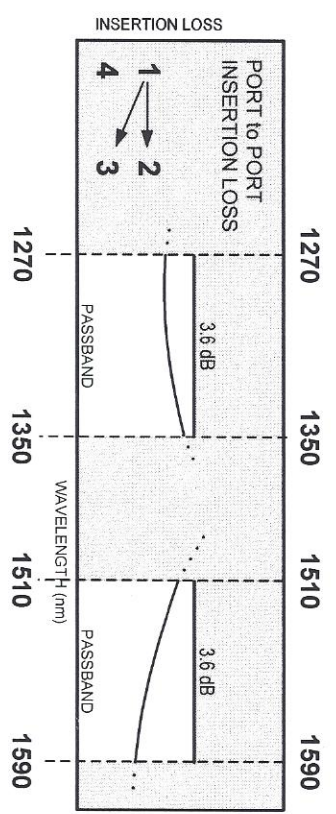


PORT	LENGTH	TERMINATION	BUFFER	MARKING
1	> 1.0 m	none	250 μm	RED
2	> 1.0 m	none	250 μm	RED
3	> 1.0 m	none	250 μm	none
4	25 cm (+/- 1)	low reflection	250 μm	none

OPTICAL PERFORMANCE REQUIREMENTS



PORT TO PORT INSERTION LOSS LIMITS
 INSERTION LOSSES DO NOT INCLUDE CONNECTOR OR LAUNCH LOSSES
 TEST VALUES ARE AT AMBIENT WITH UNPOLARIZED LIGHT
 *PLOTS SHOWN ARE FOR ILLUSTRATION PURPOSES. SLOPE AND SHAPE MAY VARY



SPEC	VALUE	UNITS	COMMENT
COUPLING RATIO	50	%	NOMINAL @ BAND CENTER
Operating Wavelengths	1270 - 1350 1510 - 1590	nm nm	
INSERTION LOSS	< 3.6	dB	
EXCESS LOSS	< 0.2	dB	
DIRECTIVITY / RETURN LOSS	> 65	dB	splitter only
POLARIZATION DEPENDENT LOSS	+/- 0.4	dB	Thru

ENVIRONMENTAL

ITEM	Description	OVER TEMP RANGE
TEMPERATURE STABILITY	+/- 0.1 dB	C
OPERATIONAL TEMP RANGE	-40 TO +70	C
STORAGE TEMP RANGE	-40 TO +85	C

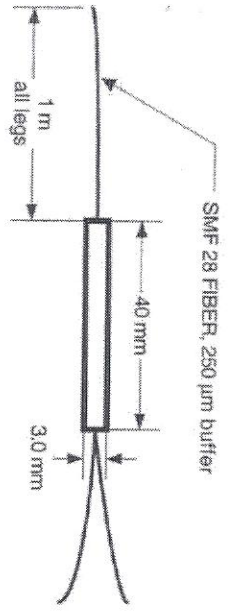
BORG TECHNOLOGIES

TEM-CC-006-BFC

DRAWN BY: J NORIEGA		SCALE: NONE		SHEET: 1 OF 1	
SIZE: A	PROJECT NO:	DWG NO:	REV: 1.0		

PRODUCT DESCRIPTION:
 Wavelength Division Multiplexer
 1310/1550 +/- 10 nm
 1 INPUT
 2 OUTPUTS
 40 x 3 mm STAINLESS STEEL TUBE

PHYSICAL REQUIREMENTS



ITEM	Description	OUTPUT(S): 2
CONFIGURATION	INPUT(S): 1	60 x 3 m m
PACKAGE	STAINLESS STEEL TUBE	
FIBER	SMF 28	

PORT DESIGNATIONS



PORT	LENGTH	CONNECTOR	BUFFER	MARKING
1	> 1 m	none	250 μm	none
2	> 1 m	none	250 μm	RED
3	> 1 m	none	250 μm	none

ENVIRONMENTAL

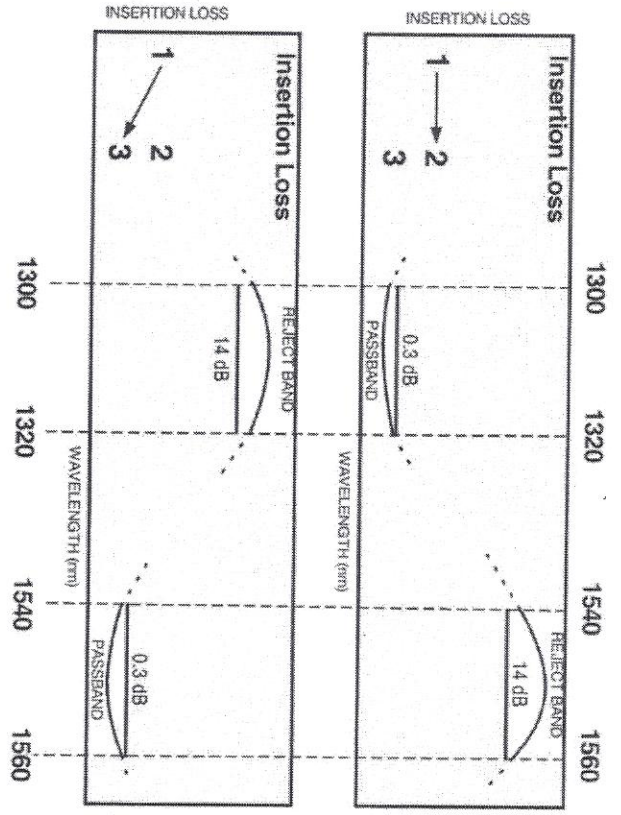
ITEM	Description	OVER TEMP RANGE
TEMPERATURE STABILITY	+/- 0.1 dB	C
OPERATIONAL TEMP RANGE	75	C
STORAGE TEMP RANGE	-35 TO +75	C

OPTICAL PERFORMANCE REQUIREMENTS



PORT TO PORT INSERTION LOSS LIMITS

INSERTION LOSSES DO NOT INCLUDE CONNECTOR OR LAUNCH LOSSES
 TEST VALUES ARE AT AMBIENT WITH UNPOLARIZED LIGHT
 PLOTS SHOWN ARE FOR ILLUSTRATION PURPOSES. SLOPE AND SHAPE MAY VARY



SPEC	VALUE	UNITS	COMMENT
Operating Wavelengths	1300 - 1320	n m	
	1540 - 1560		
INSERTION LOSS	< 0.3	dB	Passband
	> 14	dB	Reject Band
DIRECTIVITY / RETURN LOSS	> 55	dB	

BORG TECHNOLOGIES
TEM-CC-005-WDM

DRAWN BY: J NORIEGA
 SCALE: NONE
 SHEET: 1