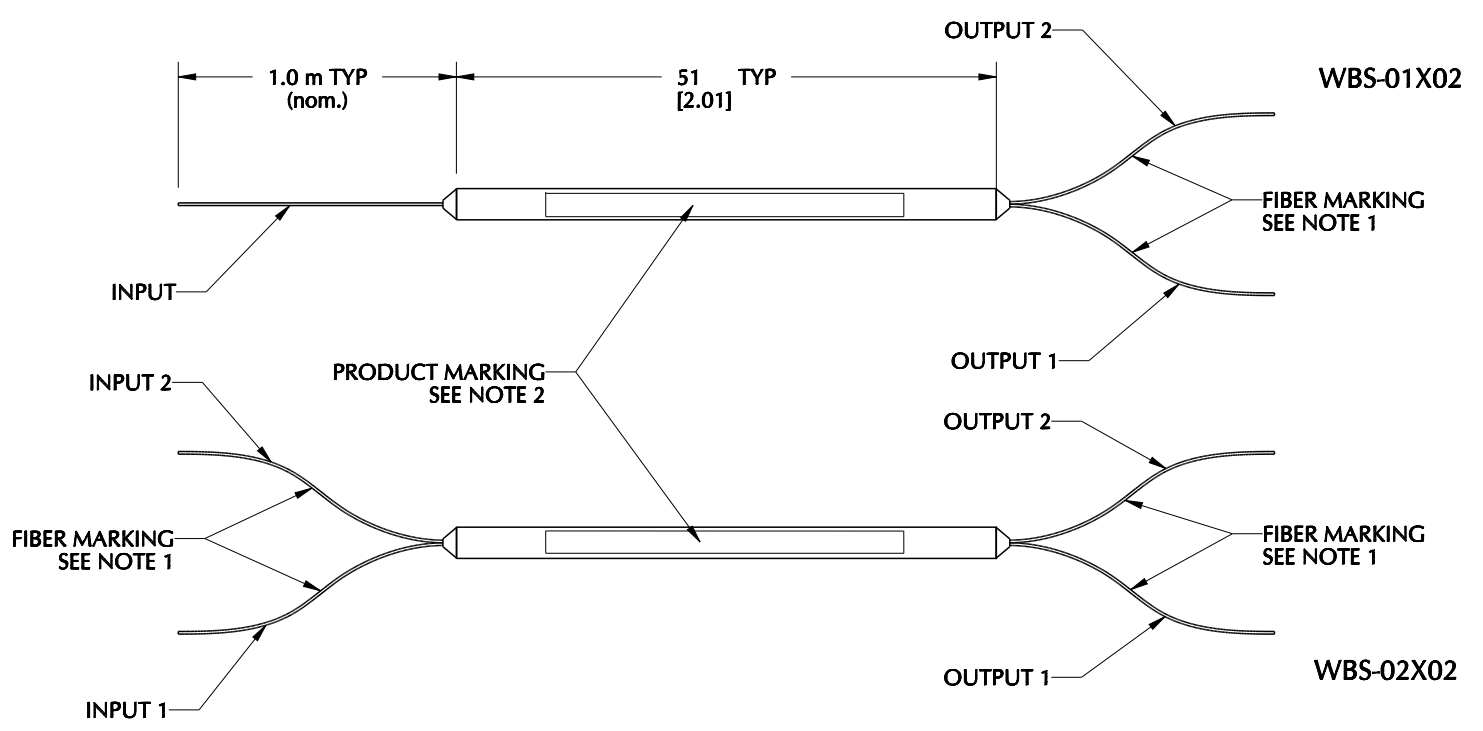




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Ø 2,95 TYP
[0.12]



NOTES:

1. 'OUTPUT 2' & 'INPUT 2' FIBERS WILL BE MARKED IN BLACK IMMEDIATELY AFTER THE EXIT OF THE FIBER FROM THE HOUSING TUBE END FOR APPROXIMATELY 6 INCHES LONG. THERE IS NO MARKING ON 'OUTPUT 1' & 'INPUT 1' FIBERS.
2. UNLESS OTHERWISE SPECIFIED, COUPLER MARKING TO BE LASER-MARKED WITH 'CANSTAR', CANSTAR PART DESCRIPTOR, AND SERIAL NUMBER.
3. SEE SHEET 2 FOR PART NUMBER ORDERING INFORMATION.
4. SEE SHEET 3 FOR CANSTAR PART DESCRIPTORS.
5. SEE SHEET 4 & 5, TABLE A-1 & A-2, FOR OPTICAL PERFORMANCE SPECIFICATIONS.
6. SEE SHEET 5, TABLE B, FOR CONNECTORIZED COUPLER SPECIFICATIONS.
7. CONTACT US FOR COUPLERS WITH CUSTOMER SPECIALTY FIBERS, OR WITH CUSTOM SPECS.

STANDARD SPECIFICATION	
THERMAL STABILITY	< = 0.002dB/1° C OVER -40° C TO +85° C (NON-CONNECTORIZED)
OPTICAL FIBER	SMF-28 TM
LEAD TYPE	BARE, ACRYLATE
PACKAGING TYPE	T304 STAINLESS STEEL TUBE

spec ref		dr	asir	2012/05/15	projection 	MM [INCH]	size	A4	scale	1.400		
tolerance std		eng	asir	2012/07/05			ecn no	ELX-S-012126-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Released				
surface	linear	0.X	±0.3		FCI	title	COUPLER, MXN, SINGLEMODE WDM, 'BS' PACKAGE		dwg no	WBS-MXN01	rev	B
		0.XX	±0.05									
		0.XXX	±									
	angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw		sheet 1 of 6			

ProjE File - REV C - 2009-06-09

PART NUMBER ORDERING INFORMATION

W B S X X 0 0 0 0

← INPUT → ← OUTPUT → (SEE NOTE 1)

of Inputs
One - '1'
Two - '2'

of Outputs
Two - '2'

Fiber Type
SMF-28 TM - 'A'
Customer Supplied - '#'
Custom - 'Y'

Wavelengths
980/1550 nm - 'H'
1300/1550 nm - 'J'
1310/1550 nm - 'K'
1480/1550 nm - 'L'
Not Specified - 'X'

Operating Bandwidth
± 20 nm - '4'
Custom - 'Z'

Polish Type
'A' - Flat
'B' - PC
'C' - SPC
'D' - UPC
'E' - APC
'X' - No Specification
'Z' - Custom

Connector Type
'A' - SMA 905
'B' - SMA 906
'C' - ST
'D' - SC
'E' - FC
'K' - LC
'#' - Customer Supplied
'X' - No Connector
'Z' - Custom

Lead Length
'0' - NA
'1' - .25 m
'2' - .50 m
'3' - .75 m
'4' - 1.00 m
'5' - 1.25 m
'6' - 1.50 m
'7' - 1.75 m
'8' - 2.00 m
'9' - 2.25 m
'A' - 2.50 m
'B' - 2.75 m
'C' - 3.00 m
'D' - 3.25 m
'E' - 3.50 m
'F' - 3.75 m
'G' - 4.00 m
'H' - 4.25 m
'I' - 4.50 m
'J' - 4.75 m
'K' - 5.00 m
'L' - 5.25 m
'M' - 5.50 m
'N' - 5.75 m
'P' - 6.00 m
'Q' - 6.25 m
'R' - 6.50 m
'S' - 6.75 m
'T' - 7.00 m
'U' - 7.25 m
'V' - 7.50 m
'W' - 7.75 m
'X' - 8.00 m
'Y' - 8.25 m
'Z' - 8.50 m
'#' - Special

NOTES:

- ORDERING OPTIONS FOR OUTPUTS ARE IDENTICAL TO INPUTS.
- NOMINAL LEAD LENGTH: 1.0 m
- SEE SHEET 5, TABLE B, FOR CONNECTOR SPECIFICATIONS.



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spec ref		dr asir 2012/05/15		projection		size A4		scale N/A	
tolerance std		eng asir 2012/07/05				MM [INCH]		ecn no ELX-S-012126-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -						rel level Released	
surface ✓		appr John Wang 2012/07/05		product family		dwg no WBS-MXN01		rev B	
linear		0.X	±0.3			title COUPLER, MXN, SINGLEMODE WDM, 'BS' PACKAGE		Product - Customer Drw	
		0.XX	±0.05						
angular		0°	±2°						
		www.fci.com		cat. no.		sheet 2 of 6			

CANSTAR PART DESCRIPTOR

WBS - X - / 155 - XX

of Inputs
One - '01'
Two - '02'

of Outputs
Two - '02'

Primary Wavelength
980 - '098'
1300 - '130'
1310 - '131'
1480 - '148'



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spec ref		dr		asir	2012/05/15	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	asir			2012/07/05	ecn no	ELX-S-012126-1		
				chr	-			-		rel level	Released	
surface		appr		John Wang	2012/07/05	product family						
linear	0.X	±0.3			title	COUPLER, MXN, SINGLEMODE WDM, 'BS' PACKAGE		dwg no	WBS-MXN01		rev	B
	0.XX	±0.05										
	0.XXX	±										
angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw			sheet 3 of 6			

ProjE File - REV C - 2009-06-09

TABLE A-1							
PART DESCRIPTOR	WAVELENGTH (nm) ¹		MAXIMUM EXCESS LOSS (dB)	MAXIMUM INSERTION LOSS (dB)	ISOLATION (dB)	DIRECTIVITY (dB @ 1550 nm)	MAXIMUM PDIL (dB pp @ 1550 nm)
	OUTPUT 2	OUTPUT 1					
WBS-01X02-098/155-XX	980 ± 20	1550 ± 20	0.3	0.3	> = 20	> = 50	0.1
WBS-01X02-130/155-XX	1300 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WBS-01X02-131/155-XX	1310 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WBS-01X02-148/155-XX	1480 ± 10	1550 ± 10	1.0	1.0	> = 10	> = 50	0.4

NOTE:

1. WHEN 1550 nm SIGNAL LAUNCHED TO INPUT 1

spec ref		dr asir 2012/05/15		projection 	MM [INCH]	size A4	scale N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/05	ecn no ELX-S-012126-1	rel level Released
surface ✓		appr John Wang 2012/07/05		product family		rev B		
linear	0.X	±0.3		www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 6	
	0.XX	±0.05						
	0.XXX	±						
angular	0°	±2°		title COUPLER, MXN, SINGLEMODE WDM, 'BS' PACKAGE		dwg no WBS-MXN01		

TABLE A-1							
PART DESCRIPTOR	WAVELENGTH (nm) ¹		MAXIMUM EXCESS LOSS (dB)	MAXIMUM INSERTION LOSS (dB)	ISOLATION (dB)	DIRECTIVITY (dB @ 1550 nm)	MAXIMUM PDIL (dB pp @ 1550 nm)
	OUTPUT 2	OUTPUT 1					
WBS-02X02-098/155-XX	980 ± 20	1550 ± 20	0.3	0.3	> = 20	> = 50	0.1
WBS-02X02-130/155-XX	1300 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WBS-02X02-131/155-XX	1310 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WBS-02X02-148/155-XX	1480 ± 10	1550 ± 10	1.0	1.0	> = 10	> = 50	0.4

NOTE:

1. WHEN 1550 nm SIGNAL LAUNCHED TO INPUT 1

spec ref		dr	asir	2012/05/15	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng			asir	2012/07/05	ecn no		ELX-S-012126-1
				chr			-	-	rel level		Released
surface	linear	0.X	±0.3	appr	John Wang	2012/07/05	product family		rev		
		0.XX	±0.05	www.fci.com		cat. no.		Product - Customer Drw		sheet 5 of 6	
	angular	0°	±2°								title

A

B

C

D

A

B

C

D

TABLE B			
CONNECTOR TYPE	POLISH TYPE	INSERTION LOSS / CONNECTOR (dB)	BACK REFLECTION (dB)
ST	PC	< = 0.35	> 40
	SPC	< = 0.35	> 45
	UPC	< = 0.35	> 50
	APC	Not Specified	Not Specified
FC	PC	< = 0.35	> 40
	SPC	< = 0.35	> 45
	UPC	< = 0.35	> 50
	APC	< = 0.5	> 60
SC	PC	< = 0.35	> 40
	SPC	< = 0.35	> 45
	UPC	< = 0.35	> 50
	APC	< = 0.5	> 60
LC	PC	< = 0.35	> 40
	SPC	< = 0.35	> 45
	UPC	< = 0.35	> 50
	APC	< = 0.5	> 60

NOTES:

- 1. PLEASE REFER TO COUPLER SPECIFICATION FOR INSERTION LOSS VALUES, AND ADD CONNECTOR INSERTION LOSS FROM TABLE.
- 2. LEAD LENGTH TOLERANCE: +10cm / -0cm OF NOMINAL LENGTH.
- 3. TEMPERATURE RANGE: -20° C TO +70° C



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spec ref		dr asir 2012/05/15		projection 	MM [INCH]	size A4	scale N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/05	ecn no ELX-S-012126-1	rel level Released
						chr - -		
		appr John Wang 2012/07/05		product family				
surface <input checked="" type="checkbox"/>	linear	0.X	±0.3		title COUPLER, MXN, SINGLEMODE WDM, 'BS' PACKAGE	dwg no WBS-MXN01	rev B	
		0.XX	±0.05					
		0.XXX	±					
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 6 of 6	