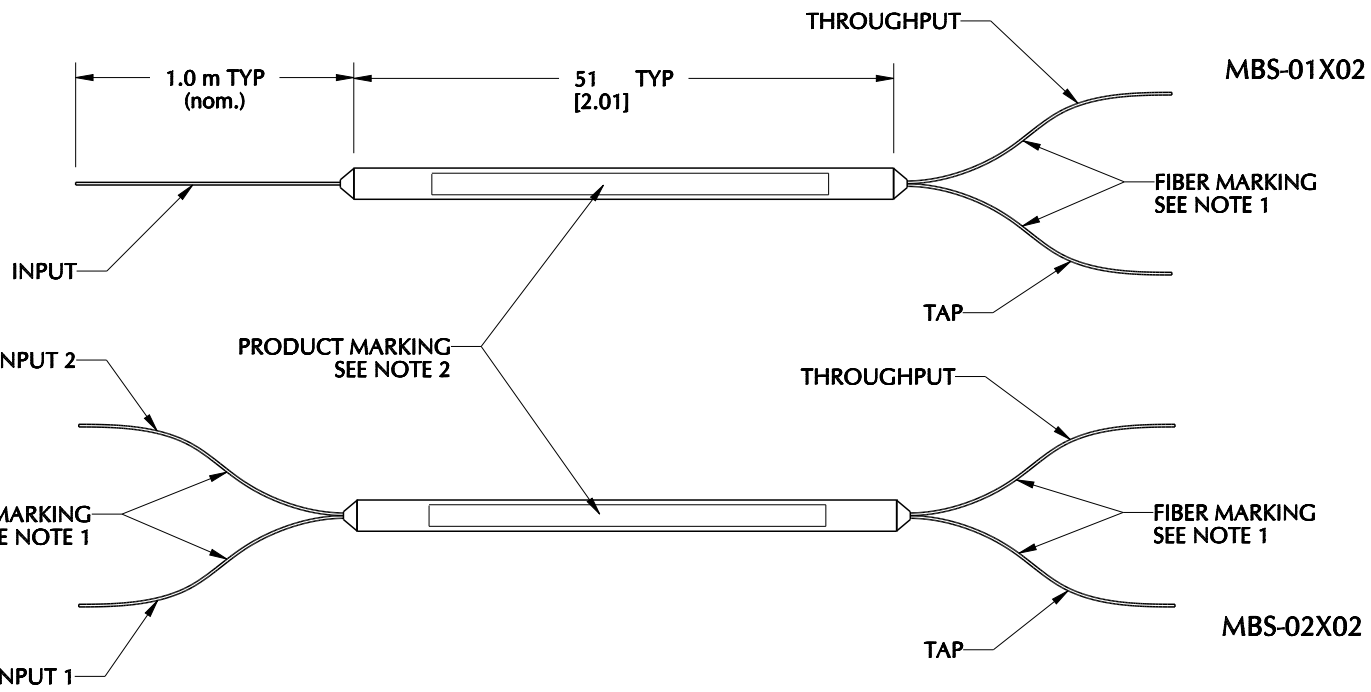


Ø 2,95 TYP
[0.12]



NOTES:

- 'TAP' & '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 'THROUGHPUT' & 'INPUT 1' FIBERS.
- UNLESS OTHERWISE SPECIFIED, COUPLER MARKING TO BE LASER-MARKED WITH 'CANSTAR', CANSTAR PART DESCRIPTOR, AND SERIAL NUMBER.
- SEE SHEET 2 FOR PART NUMBER ORDERING INFORMATION.
- SEE SHEET 3 FOR CANSTAR PART DESCRIPTORS.
- SEE SHEET 4 & 5, TABLE A-1 & A-2, FOR OPTICAL PERFORMANCE SPECIFICATIONS.
- SEE SHEET 5, TABLE B, FOR CONNECTORIZED COUPLER SPECIFICATIONS.
- CONTACT US FOR COUPLERS WITH CUSTOMER SPECIALTY FIBERS, OR WITH CUSTOM SPECS.

STANDARD SPECIFICATION	
COUPLING	TESTED UNDER FULLY FILLED LAUNCH CONDITIONS
WAVELENGTH	600nm TO 1600nm, TESTED @ 850nm OR 1300nm AS SPECIFIED
DIRECTIVITY	> = 40dB @ 850nm (APPLICABLE 1X2 ONLY)
THERMAL STABILITY	< = 0.002dB/1° C OVER -40° C TO +85° C (NON-CONNECTORIZED)
TYPICAL UNIFORMITY	SPLITTERS < = 1.0dB
	TAPS NA
LEAD TYPE	BARE, ACRYLATE OR POLYIMIDE COATED
PACKAGING STYLE	T304 STAINLESS STEEL TUBE

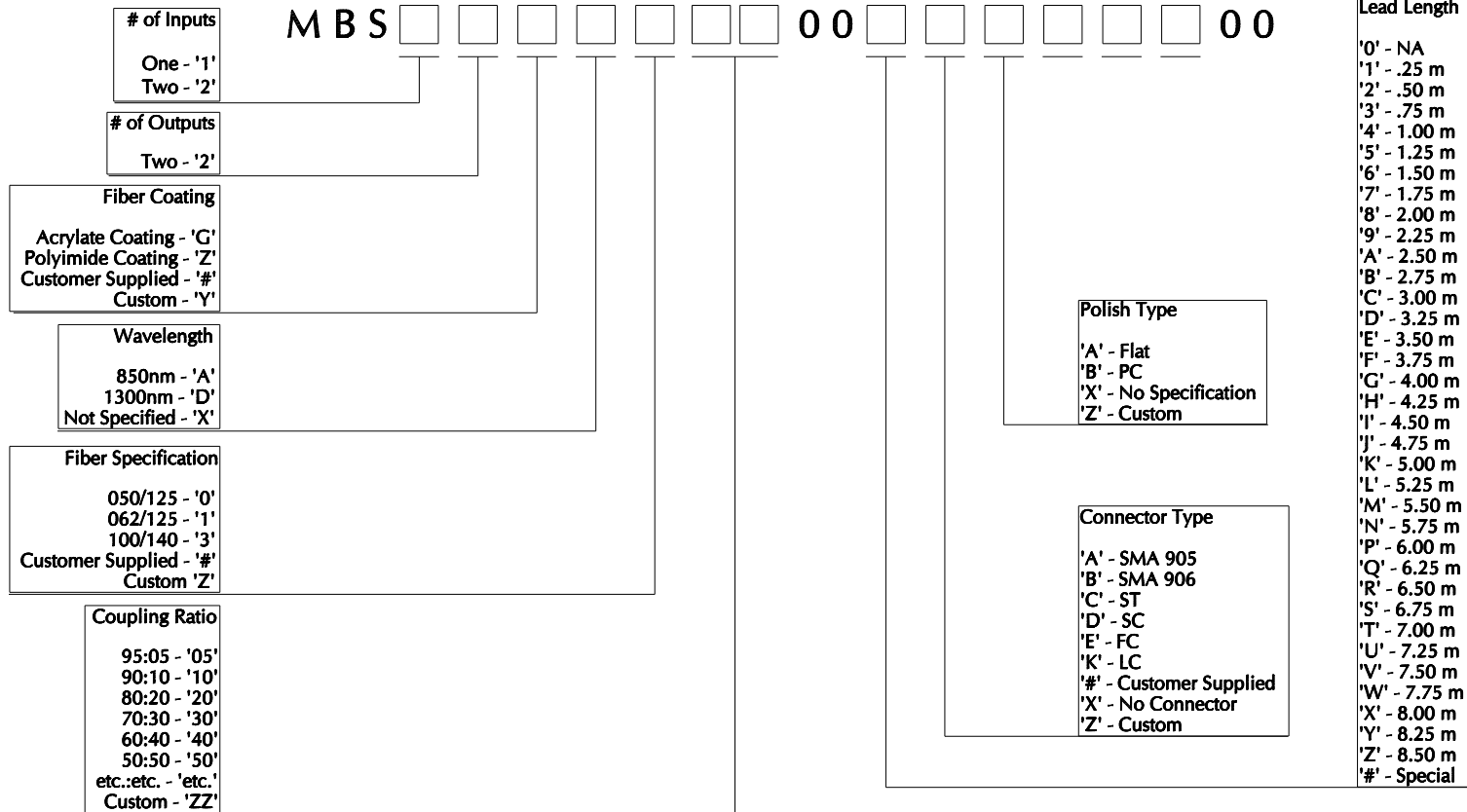
spec ref	dr asir 2012/05/09			projection 	size A4	scale 1.400				
tolerance std	eng asir 2012/07/04						MM [INCH]	ecn no ELX-S-012110-1		
	chr -								product family	rel level Released
surface ✓	appr John Wang 2012/07/04			title COUPLER, MXN, MULTIMODE 'BS' PACKAGE	dwg no MBS-MXN01	rev B				
	TOLERANCES UNLESS OTHERWISE SPECIFIED						www.fci.com	cat. no.	Product - Customer Drw	
	linear	0.X	± 0.3							sheet 1 of 6
		0.XX	± 0.05							
angular	0°	± 2°								



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PART NUMBER ORDERING INFORMATION

← INPUT → ← OUTPUT → (SEE NOTE 1)



NOTES:

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

spec ref	dr asir 2012/05/09			projection	MM [INCH]	size A4	scale N/A
tolerance std	eng asir 2012/07/04					ecn no ELX-S-012110-1	rel level Released
	chr -						
surface	appr John Wang 2012/07/04			FCj	title COUPLER, MXN, MULTIMODE 'BS' PACKAGE	dwg no MBS-MXN01	rev B
	linear	0.X	±0.3				
		0.XX	±0.05				
angular	0°	±2°					
www.fci.com				cat. no.	Product - Customer Drw		sheet 2 of 6

CANSTAR PART DESCRIPTOR

MBS - X - / -

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

of Outputs
Two - '02'

Core Diameter
50um - '050'
62.5um - '062'
100um - '100'

Cladding Diameter (um)
125 m m - '125'
140 m m - '140'

Tap Ratio
5% - '05'
6% - '06'
50% - '50'

Tested Wavelength
850nm (Default) - 'NONE'
1300nm - 'D'



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spec ref		dr	asir	2012/05/09	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng			asir	2012/07/04	ecn no		ELX-S-012110-1
				chr			-	-	rel level		Released
surface	linear	0.X	±0.3	appr	John Wang	2012/07/04	product family		rev		
		0.XX	±0.05	www.fci.com		cat. no.	title		COUPLER, MXN, MULTIMODE	dwg no	
		0.XXX	±				'BS' PACKAGE		MBS-MXN01		
	angular	0°	±2°	Product - Customer Drw		sheet 3 of 6		B			

TABLE A-1							
PART DESCRIPTOR	WAVELENGTH (nm)	COUPLING RATIO (%)	MAXIMUM EXCESS LOSS (dB)	THROUGHPORT INSERTION LOSS (dB)		COUPLEDPORT INSERTION LOSS (dB)	
				MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
MBS-01X02-050/125-50	850	50 ± 5	0.75	4.1	3.0	4.1	3.0
MBS-01X02-050/125-40	850	40 ± 5	0.75	3.4	2.0	5.3	3.6
MBS-01X02-050/125-30	850	30 ± 5	0.75	2.6	1.4	6.8	4.7
MBS-01X02-050/125-20	850	20 ± 3	0.75	1.9	0.9	8.5	6.5
MBS-01X02-050/125-10	850	10 ± 2	0.75	1.3	0.5	11.7	9.3
MBS-01X02-050/125-05	850	5 ± 2	0.75	1.1	0.2	16.0	11.7
MBS-01X02-062/125-50	850	50 ± 5	0.75	4.1	3.0	4.1	3.0
MBS-01X02-062/125-40	850	40 ± 5	0.75	3.4	2.0	5.3	3.6
MBS-01X02-062/125-30	850	30 ± 5	0.75	2.6	1.4	6.8	4.7
MBS-01X02-062/125-20	850	20 ± 3	0.75	1.9	0.9	8.5	6.5
MBS-01X02-062/125-10	850	10 ± 2	0.75	1.3	0.5	11.7	9.3
MBS-01X02-062/125-05	850	5 ± 2	0.75	1.1	0.2	16.0	11.7
MBS-01X02-100/140-50	850	50 ± 5	0.75	4.1	3.0	4.1	3.0
MBS-01X02-100/140-40	850	40 ± 5	0.75	3.4	2.0	5.3	3.6
MBS-01X02-100/140-30	850	30 ± 5	0.75	2.6	1.4	6.8	4.7
MBS-01X02-100/140-20	850	20 ± 3	0.75	1.9	0.9	8.5	6.5
MBS-01X02-100/140-10	850	10 ± 2	0.75	1.3	0.5	11.7	9.3
MBS-01X02-100/140-05	850	5 ± 2	0.75	1.1	0.2	16.0	11.7

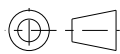

spec ref		dr	asir	2012/05/09	projection 	MM [INCH]	size	A4	scale	N/A
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	asir	2012/07/04			ecn no	ELX-S-012110-1		
		chr	-	-				rel level	Released	
surface		appr	John Wang	2012/07/04	product family		rev	B		
linear ✓	0.X	±0.3		title COUPLER, MXN, MULTIMODE 'BS' PACKAGE	dwg no MBS-MXN01	Product - Customer Drw	sheet 4 of 6			
	0.XX	±0.05								
	0.XXX	±								
angular	0°	±2°	www.fci.com	cat. no.						



TABLE A-2							
PART DESCRIPTOR	WAVELENGTH (nm)	COUPLING RATIO (%)	MAXIMUM EXCESS LOSS (dB)	THROUGHPORT INSERTION LOSS (dB)		COUPLEDPORT INSERTION LOSS (dB)	
				MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
MBS-02X02-050/125-50	850	50±5	0.75	4.1	3.0	4.1	3.0
MBS-02X02-050/125-40	850	40±5	0.75	3.4	2.0	5.3	3.6
MBS-02X02-050/125-30	850	30±5	0.75	2.6	1.4	6.8	4.7
MBS-02X02-050/125-20	850	20±3	0.75	1.9	0.9	8.5	6.5
MBS-02X02-050/125-10	850	10±2	0.75	1.3	0.5	11.7	9.3
MBS-02X02-050/125-05	850	5±2	0.75	1.1	0.2	16.0	11.7
MBS-02X02-062/125-50	850	50±5	0.75	4.1	3.0	4.1	3.0
MBS-02X02-062/125-40	850	40±5	0.75	3.4	2.0	5.3	3.6
MBS-02X02-062/125-30	850	30±5	0.75	2.6	1.4	6.8	4.7
MBS-02X02-062/125-20	850	20±3	0.75	1.9	0.9	8.5	6.5
MBS-02X02-062/125-10	850	10±2	0.75	1.3	0.5	11.7	9.3
MBS-02X02-062/125-05	850	5±2	0.75	1.1	0.2	16.0	11.7
MBS-02X02-100/140-50	850	50±5	0.75	4.1	3.0	4.1	3.0
MBS-02X02-100/140-40	850	40±5	0.75	3.4	2.0	5.3	3.6
MBS-02X02-100/140-30	850	30±5	0.75	2.6	1.4	6.8	4.7
MBS-02X02-100/140-20	850	20±3	0.75	1.9	0.9	8.5	6.5
MBS-02X02-100/140-10	850	10±2	0.75	1.3	0.5	11.7	9.3
MBS-02X02-100/140-05	850	5±2	0.75	1.1	0.2	16.0	11.7



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spec ref		dr	asir	2012/05/09	projection 	MM [INCH]	size	A4	scale	N/A
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	asir	2012/07/04			ecn no	ELX-S-012110-1		
		chr	-	-				rel level	Released	
surface		linear	0.X	±0.3	FCI	product family	dwg no	MBS-MXN01	rev	B
	angular	0°	±2°	www.fci.com						
		title			COUPLER, MXN, MULTIMODE 'BS' PACKAGE					

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TABLE B			
CONNECTOR TYPE	POLISH TYPE	INSERTION LOSS / CONNECTOR (dB)	BACK REFLECTION (dB)
ST	FLAT	< = 0.5	Not Specified
	PC	< = 0.35	Please contact manufacturer for details
FC	FLAT	< = 0.5	Not Specified
	PC	< = 0.35	Please contact manufacturer for details
SC	FLAT	< = 0.5	Not Specified
	PC	< = 0.35	Please contact manufacturer for details
LC	FLAT	< = 0.5	Not Specified
	PC	< = 0.35	Please contact manufacturer for details
SMA 905	FLAT	< = 1.0	Not Specified
SMA 906	FLAT	< = 1.0	Not Specified

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

spec ref		dr asir 2012/05/09		projection 	MM [INCH]	size	A4	scale	N/A			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/04	ecn no	ELX-S-012110-1				
						chr - -		rel level	Released			
surface ✓		appr John Wang 2012/07/04		product family		rev						
linear	0.X	±0.3			title	COUPLER, MXN, MULTIMODE 'BS' PACKAGE			dwg no	MBS-MXN01	rev	B
	0.XX	±0.05										
	0.XXX	±										
angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw			sheet 6 of 6			