

- 'OUTPUT 2' & 'INPUT 2' FIBERS WILL BE MARKED '2' WITH LABEL MARKER APPROXIMATELY 10.0 cm FROM EACH END OF THE LEAD OR CONNECTOR. THERE IS NO MARKING ON 'OUTPUT 1' & 'INPUT 1' FIBERS.
- UNLESS OTHERWISE SPECIFIED, COUPLER MARKING TO BE LABELED 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	
THERMAL STABILITY	< = 0.002dB/1° C OVER -40° C TO +85° C (NON-CONNECTORIZED)
OPTICAL FIBER	SMF-28 TM
LEAD TYPE	∅ 2.5 mm REINFORCED JACKET - BLACK
PACKAGING TYPE	COMPACT RUGGEDIZED HOUSING

spec ref	dr asir 2012/06/08			projection 	MM [INCH]	size	A4	scale	0.750				
tolerance std	eng asir 2012/07/05					product family	ecn no	ELX-S-012128-1					
	chr -						rel level	Released					
surface	apppr John Wang 2012/07/05			title	dwg no	WRP-MXN01	rev	B					
	TOLERANCES UNLESS OTHERWISE SPECIFIED							www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 6	COUPLER, MXN, SINGLEMODE WDM, 'RP' PACKAGE	
	linear	0.X	±0.3										
angular	0°	±2°											

PART NUMBER ORDERING INFORMATION



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

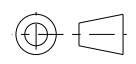


Connector Type
'A' - SMA 905
'B' - SMA 906
'C' - ST
'D' - SC
'E' - FC
'K' - LC
'#' - Customer Supplied
'X' - No Connector
'Z' - Custom

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: 0.55 m
- SEE SHEET 5, TABLE B, FOR CONNECTOR SPECIFICATIONS.

spec ref		dr asir 2012/06/08		projection 	MM [INCH]	size A4	scale N/A
tolerance std		eng asir 2012/07/05				ecn no ELX-S-012128-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr - -				rel level Released	
		appr John Wang 2012/07/05		product family			
surface 	linear	0.X	±0.3		title COUPLER, MXN, SINGLEMODE WDM, 'RP' PACKAGE	dwg no WRP-MXN01	rev B
		0.XX	±0.05				
		0.XXX	±				
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 2 of 6

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CANSTAR PART DESCRIPTOR

WRP - 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	2012/06/08	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng			asir	2012/07/05	ecn no		ELX-S-012128-1
				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		WDP-MXN01	B	
	angular	0°	±2°	www.fci.com			sheet 3 of 6				

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



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spec ref		dr	asir	2012/06/08	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng			asir	2012/07/05	ecn no		ELX-S-012128-1
				chr			-	-	rel level		Released
surface		appr	John Wang	2012/07/05	product family		rev		B		
linear	0.X	±0.3		title	COUPLER, MXN, SINGLEMODE WDM, 'RP' PACKAGE	dwg no	WRP-MXN01		www.fci.com	cat. no.	
	0.XX	±0.05									
	0.XXX	±									
angular	0°	±2°	Product - Customer Drw		sheet 4 of 6						

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TABLE A-2							
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					
WRP-02X02-098/155-XX	980 ± 20	980 ± 20	0.3	0.3	> = 20	> = 50	0.1
WRP-02X02-130/155-XX	1300 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WRP-02X02-131/155-XX	1310 ± 20	1550 ± 20	0.5	0.5	> = 15	> = 60	0.2
WRP-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 2012/06/08		projection 	MM [INCH]	size A4	scale N/A
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/05	ecn no ELX-S-012128-1
chr -		appr John Wang 2012/07/05		product family			
surface ✓	linear	0.X ±0.	FCj	title COUPLER, MXN, SINGLEMODE WDM, 'RP' PACKAGE	dwg no WRP-MXN01	rev B	
		0.XX ±0.05					
		0.XXX ±					
angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw		sheet 5 of 6	



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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:

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

spec ref		dr asir 2012/06/08		projection 	MM [INCH]	size A4	scale N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/05	ecn no ELX-S-012128-1	rel level Released
						chr - -		
		appr John Wang 2012/07/05		product family				
surface ✓	linear	0.X	±0.3	FCI	title COUPLER, MXN, SINGLEMODE WDM, 'RP' PACKAGE	dwg no WRP-MXN01	rev B	
		0.XX	±0.05					
		0.XXX	±					
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 6 of 6	

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