

**NOTES:**

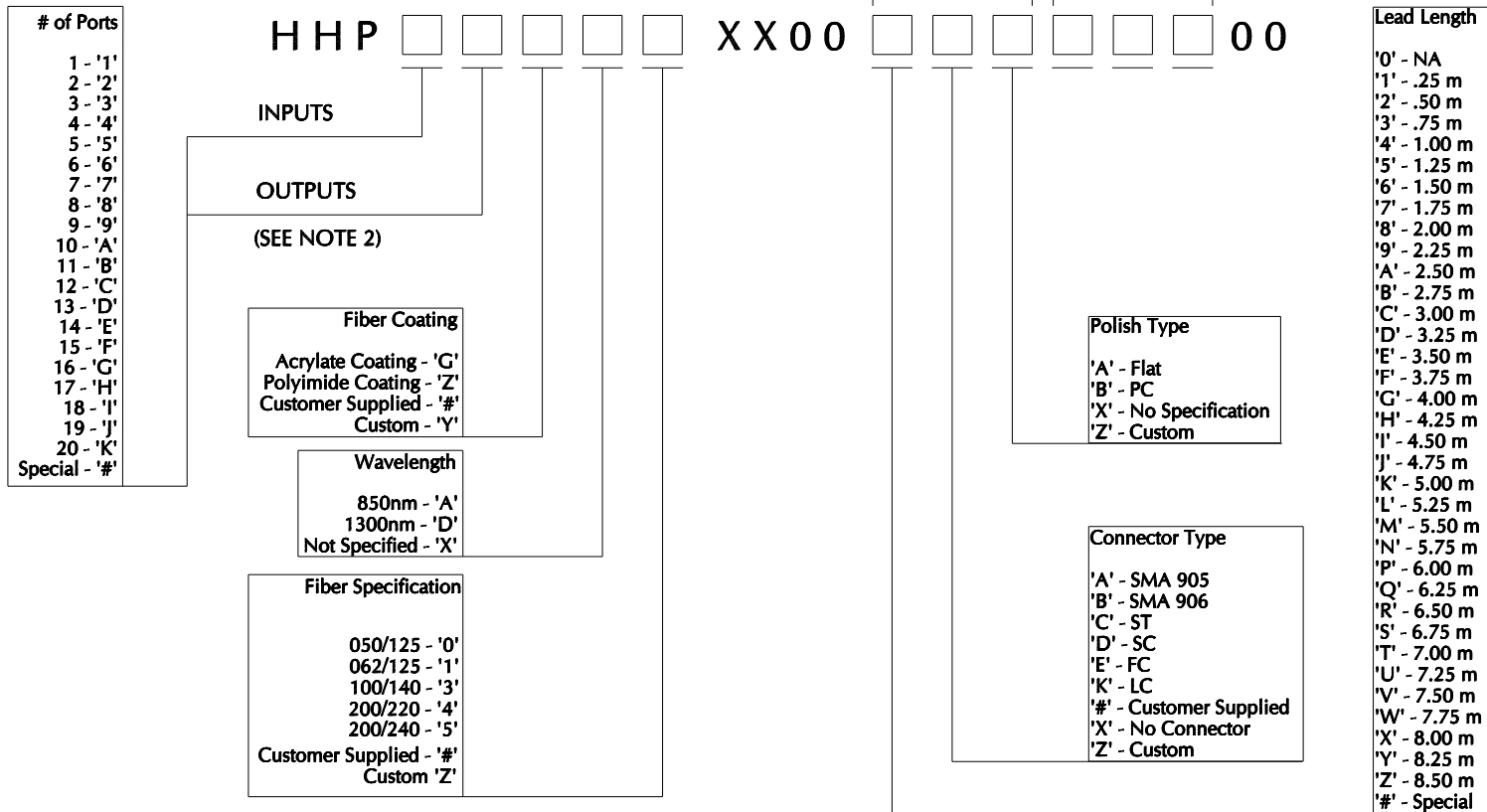
1. UNLESS OTHERWISE SPECIFIED, COUPLER MARKING TO BE LABELED WITH 'CANSTAR', CANSTAR PART DESCRIPTOR, AND SERIAL NUMBER.
2. COUPLER CONFIGURATION AVAILABLE FROM 1 X 3 UP TO 20 X 20.
3. SEE SHEET 2 FOR PART NUMBER ORDERING INFORMATION,.
4. SEE SHEET 3 FOR CANSTAR PART DESCRIPTORS.
5. SEE SHEET 4 & 5, TABLE A-1 & A-2 FOR OPTICAL PERFORMANCE SPECIFICATIONS. THE TABLES SHOW REPRESENTATIVE SUBSETS OF AVAILABLE CONFIGURATIONS. PLEASE CONTACT THE MANUFACTURER FOR CONFIGURATIONS THAT ARE NOT LISTED IN THE TABLE.
6. SEE SHEET 5, TABLE B, FOR CONNECTORIZED COUPLER SPECIFICATIONS.
7. CONTACT US FOR COUPLERS WITH CUSTOMER SPECIALTY FIBERS, OR WITH CUSTOMER SPECS.

STANDARD SPECIFICATION	
COUPLING	TESTED UNDER FULLY FILLED LAUNCH CONDITIONS
WAVELENGTH	600nm TO 1600nm, TESTED @ 850nm OR 1300nm AS SPECIFIED
DIRECTIVITY	> = 40dB @ 850nm (APPLICABLE TO ASYMMETRIC CONFIGURATION ONLY)
THERMAL STABILITY	< = 0.002dB/1° C OVER -40° C TO +85° C (NON-CONNECTORIZED)
LEAD TYPE	2.5 mm REINFORCED JACKETING LEAD
PACKAGING STYLE	RUGGEDIZED PLASTIC HOUSING

spec ref	dr asir 2012/06/13			projection 	MM [INCH]	size	A4	scale	0.750	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					product family	ecn no		ELX-S-012104-1	
	eng asir 2012/07/04						rel level		Released	
surface	linear	0.X	±0.3	FCj	title	dwg no	HHP-MXN01	rev	B	
		0.XX	±0.05							
		0.XXX	±							
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw		sheet 1 of 6		



# PART NUMBER ORDERING INFORMATION



**NOTES:**

1. ORDERING OPTIONS OF LEAD LENGTH FOR OUTPUTS ARE IDENTICAL TO INPUTS.
2. ORDERING OPTIONS OF CHANNEL CONFIGURATION FOR INPUTS AND OUTPUTS ARE IDENTICAL.
3. NOMINAL LEAD LENGTH: 0.55 m

spec ref		dr	asir	2012/06/13	projection 	MM [INCH]	size	A4	scale	N/A			
tolerance std		eng	asir	2012/07/04			ecn no	ELX-S-012104-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Released					
surface	linear	0.X	±0.3		FCI	title	COUPLER, STAR, MULTIMODE 'HP' PACKAGE			dwg no	HHP-MXN01	rev	B
		0.XX	±0.05										
		0.XXX	±										
	angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw			sheet 2 of 6			

CANSTAR PART DESCRIPTOR

HHP - [ ] [ ] X [ ] [ ] - [ ] [ ] [ ] / [ ] [ ] [ ] - XX [ ]

# of Inputs  
 One - '01'  
 Two - '02'  
 .  
 .  
 .  
 Twenty - '20'

# of Outputs  
 One - '01'  
 Two - '02'  
 .  
 .  
 .  
 Twenty - '20'

Core Diameter  
 50um - '050'  
 62.5um - '062'  
 100um - '100'  
 200um - '200'

Cladding Diameter (um)  
 125 um - '125'  
 140 um - '140'  
 220 um - '220'  
 240 um - '240'

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



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spec ref			dr	asir	2012/06/13	projection 	MM [INCH]	size	A4	scale	N/A			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng			asir	2012/07/04	ecn no		ELX-S-012104-1		
					chr			-	-	rel level		Released		
surface		linear		0.X	±0.3	FCI www.fci.com	title	COUPLER, STAR, MULTIMODE			dwg no	HHP-MXN01	rev	B
				0.XX	±0.05			'HP' PACKAGE						
				0.XXX	±									
		angular		0°	±2°	cat. no.		Product - Customer Drw		sheet 3 of 6				

TABLE A-1				
PART DESCRIPTOR	WAVELENGTH (nm)	COUPLING RATIO (%)	MAXIMUM INSERTION LOSS (dB)	MAXIMUM LOSS SPREAD (dB)
HHP-01X03-050/125-XX	850	33.3	5.8	0.8
HHP-03X03-050/125-XX	850	33.3	5.8	0.8
HHP-01X04-050/125-XX	850	25.0	7.5	1.0
HHP-02X04-050/125-XX	850	25.0	7.5	1.0
HHP-04X04-050/125-XX	850	25.0	7.5	1.0
HHP-01X06-050/125-XX	850	16.6	9.0	1.0
HHP-06X06-050/125-XX	850	16.6	9.0	1.0
HHP-01X08-050/125-XX	850	12.5	11.0	1.5
HHP-04X08-050/125-XX	850	12.5	11.0	1.5
HHP-08X08-050/125-XX	850	12.5	11.0	1.5
HHP-01X12-050/125-XX	850	8.3	12.5	2.0
HHP-12X12-050/125-XX	850	8.3	12.5	2.0
HHP-01X16-050/125-XX	850	6.3	14.5	2.0
HHP-16X16-050/125-XX	850	6.3	14.5	2.0
HHP-01X20-050/125-XX	850	5.0	15.5	2.0
HHP-20X20-050/125-XX	850	5.0	15.5	2.0
HHP-01X03-062/125-XX	850	33.3	5.8	0.8
HHP-03X03-062/125-XX	850	33.3	5.8	0.8
HHP-01X04-062/125-XX	850	25.0	7.5	1.0
HHP-02X04-062/125-XX	850	25.0	7.5	1.0
HHP-04X04-062/125-XX	850	25.0	7.5	1.0
HHP-01X06-062/125-XX	850	16.6	9.0	1.0
HHP-06X06-062/125-XX	850	16.6	9.0	1.0
HHP-01X08-062/125-XX	850	12.5	11.0	1.5
HHP-04X08-062/125-XX	850	12.5	11.0	1.5
HHP-08X08-062/125-XX	850	12.5	11.0	1.5
HHP-01X12-062/125-XX	850	8.3	12.5	2.0
HHP-12X12-062/125-XX	850	8.3	12.5	2.0
HHP-01X16-062/125-XX	850	6.3	14.5	2.0
HHP-16X16-062/125-XX	850	6.3	14.5	2.0
HHP-01X20-062/125-XX	850	5.0	15.5	2.0
HHP-20X20-062/125-XX	850	5.0	15.5	2.0

spec ref		dr	asir	2012/06/13	projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	asir	2012/07/04			ecn no	ELX-S-012104-1			
		chr	-	-				rel level	Released		
surface		linear	appr	John Wang	2012/07/04	product family	www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 6	
	angular	FCj		title		COUPLER, STAR, MULTIMODE 'HP' PACKAGE		dwg no	HHP-MXN01	rev	B
		0.X	±0.3								
		0.XX	±0.05								
		0.XXX	±								
		0°	±2°								



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TABLE A-2				
PART DESCRIPTOR	WAVELENGTH (nm)	COUPLING RATIO (%)	MAXIMUM INSERTION LOSS (dB)	MAXIMUM LOSS SPREAD (dB)
HHP-01X03-100/140-XX	850	33.3	5.8	0.8
HHP-03X03-100/140-XX	850	33.3	5.8	0.8
HHP-01X04-100/140-XX	850	25.0	7.5	1.0
HHP-02X04-100/140-XX	850	25.0	7.5	1.0
HHP-04X04-100/140-XX	850	25.0	7.5	1.0
HHP-01X06-100/140-XX	850	16.6	9.0	1.0
HHP-06X06-100/140-XX	850	16.6	9.0	1.0
HHP-01X08-100/140-XX	850	12.5	11.0	1.5
HHP-04X08-100/140-XX	850	12.5	11.0	1.5
HHP-08X08-100/140-XX	850	12.5	11.0	1.5
HHP-01X12-100/140-XX	850	8.3	12.5	2.0
HHP-12X12-100/140-XX	850	8.3	12.5	2.0
HHP-01X16-100/140-XX	850	6.3	14.5	2.0
HHP-16X16-100/140-XX	850	6.3	14.5	2.0
HHP-01X20-100/140-XX	850	5.0	15.5	2.0
HHP-20X20-100/140-XX	850	5.0	15.5	2.0
HHP-01X03-200/220-XX	850	33.3	6.6	1.2
HHP-03X03-200/220-XX	850	33.3	6.6	1.2
HHP-01X04-200/220-XX	850	25.0	8.0	1.5
HHP-02X04-200/220-XX	850	25.0	8.0	1.5
HHP-04X04-200/220-XX	850	25.0	8.0	1.5
HHP-01X06-200/220-XX	850	16.6	10.0	1.5
HHP-06X06-200/220-XX	850	16.6	10.0	1.5
HHP-01X08-200/220-XX	850	12.5	12.1	2.3
HHP-04X08-200/220-XX	850	12.5	12.1	2.3
HHP-08X08-200/220-XX	850	12.5	12.1	2.3
HHP-01X12-200/220-XX	850	8.3	14.2	3.0
HHP-12X12-200/220-XX	850	8.3	14.2	3.0
HHP-01X16-200/220-XX	850	6.3	15.7	3.0
HHP-16X16-200/220-XX	850	6.3	15.7	3.0
HHP-01X20-200/220-XX	850	5.0	16.7	3.0
HHP-20X20-200/220-XX	850	5.0	16.7	3.0

spec ref	dr asir 2012/06/13			projection			size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng asir 2012/07/04			chr - -	ecn no	ELX-S-012104-1		
									appr John Wang 2012/07/04	product family	rel level
surface	linear	0.X	±0.3		title	COUPLER, STAR, MULTIMODE 'HP' PACKAGE	dwg no	HHP-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	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 2012/06/13		projection 	MM [INCH]	size	A4	scale	N/A	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng asir 2012/07/04	ecn no	ELX-S-012104-1		
						chr - -		rel level	Released	
surface ✓		appr John Wang 2012/07/04		product family		rev				
linear	0.X	±0.3		FCj	title	HHP-MXN01			B	
	0.XX	±0.05								
0.XXX	±									
angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw		sheet 6 of 6		

