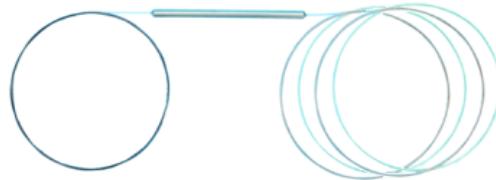


1×3/1×4 Single Mode Fiber Coupler

☆Description

XHP 1×3/ 1×4 single mode fiber coupler features low insert loss, high return loss, low PDL, stable and reliable. It can be integrated into fiber communication network, fiber sense system, and fiber test equipment etc.



☆Specifications

Type Parameters	1×3 SSC		1×3 WBC		1×3 DWC		3×3 SSC		3×3 WBC	
	Center wavelength(nm)	1310 / 1550						1310 / 1550		
Wavelength range(nm)	±15		±40		±40		±15		±40	
Grade	P	A	P	A	P	A	P	A	P	A
Excess loss(dB)	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15
Insert loss(dB)	≤5.40	≤5.70	≤5.60	≤6.00	≤5.80	≤6.20	≤5.60	≤5.80	≤5.80	≤6.20
PDL (dB)	≤0.20	≤0.25	≤0.20	≤0.25	≤0.25	≤0.30	≤0.25	≤0.30	≤0.25	≤0.30
Non-uniformity(dB)	≤0.80	≤0.12	≤1.00	≤1.40	≤1.20	≤1.50	≤1.00	≤1.40	≤1.30	≤1.60
Return loss (dB)	≥55									
Operating temperature (°C)	-5~+70									
Storage temperature(°C)	-40~+85									

Type Parameters	1×4 SSC		1×4 WBC		1×4 DWC		1×4 TWC	
	Center wavelength(nm)	1310 / 1550				1310 、 1550		1310 、 1490、 1550
Wavelength range(nm)	±15		±40		±40		±40 (1490±10)	
Grade	P	A	P	A	P	A	P	A
Excess loss(dB)	≤0.15	≤0.25	≤0.20	≤0.30	≤0.30	≤0.40	≤0.30	≤0.40
Insert loss(dB)	≤7.00	≤7.40	≤7.10	≤7.40	≤7.20	≤7.50	≤7.20	≤7.50
PDL (dB)	≤0.20	≤0.25	≤0.20	≤0.25	≤0.25	≤0.30	≤0.25	≤0.30
Non-uniformity (dB)	≤1.00	≤1.40	≤1.20	≤1.60	≤1.40	≤1.80	≤1.40	≤1.80
Return loss (dB)	≥55							
Operating temperature (°C)	-5~+70							
Storage temperature(°C)	-40~+85							

☆ Ordering Information

Part number	Note	Options
XXX	Part type	SSC / DWC / TWC/ WBC
X	Grade	P = P grade, A = A grade, S = customized
X	Port type	13 = 1×3, 33 = 3×3, 14 = 1×4
XXXX	Center wavelength	1550 = 1550nm , 1310 = 1310nm , 1310/1550 = 1310nm/1550nm
XX	Coupling ratio	01 = 1/99, ... 05 = 5/95 ... , 50 = 50/50
X	Fiber	0 = SMF-28e, 1 = others
XXXX	Pigtail	250 = 250μm, 900 = 900μm, 2000 = 2.0mm, 3000 = 3.0mm
XX	Interface	FA = FC/APC, FU = FC/UPC, SA = SC/APC, SU = SC/UPC, LA = LC/APC, LU = LC/UPC, N = None
XXXX	Package size	2.4×42 = 2.4×42mm , 3.0×54 = 3×54mm

Example: XHP-DWC -P-14-1310/1550-50-0-250-N-2.4×42