

1x3 Monolithic Single Mode Fused Coupler with Uneven Coupling ratio

Features:
Low insertion loss Low PDL High stability and reliability
Application:
Fiber Communication/Access Network Fiber Sensor Fiber Laser

Specifications:

Parameter \ Type	1X3 FWBC			
Operating Center wavelength (nm)	1310 or 1550			
Operating bandwidth (nm)	+/-40			
Coupling ratio	10/10/80	20/20/60	25/25/50	30/30/40
Insertion loss(dB)	≤10.8/1.5	7.4/2.65	6.45/3.55	5.6/4.7
PDL(dB)	≤0.15			
Directivity (dB)	≥55			
Operating temperature (°C)	-40 ~ +85			

*The above spec.is for device without connector.

Package Information

Configuration	1x3		
Fiber length	1m, others on request		
Fiber Type	SMF-28e or RC80 SM155		
Dimensions(φ×L)(mm)	250μm bare fiber	Normal size	φ3.0×L54
		Mini Size	φ3×L40φ3.0×L35;φ2.4×L30
	900um loose tube		φ4.0×L65

Ordering Information

Product	Wavelength	Port	CR	Grade	Package	Fiber	0	Pigtail Type	Length	Connector
FSMC FWBC	31=1310 55=1550	3=1x3	X=C usto mize d coupl ing ratio	P=P A	1=φ3.0×L54 2=φ3.0×L40 3=φ3.0×L60 4=φ3.0×L35 5=φ2.4×L30 6=φ4.0×L65 7=φ2.4×L25 S=Other	0=S MF-2 8e 7= RC8 0 SM1 550		0=250um bare fiber 1=900um loose tube 4=RC 80um Bare fiber.	H=0.5m 8=0.8m 1=1.0m	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=ST/PC 6=LC/PC 7=LC/APC 8=E2000 APC S=Others