


Dual Window Single Mode Fused Coupler

Features	
Low excess loss & low IL Low PDL High stability and reliability	
Application	
Optical communication systems CATV FTTH/PON	

Specifications:

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310+/-40&1550+/-40	
Typical excess loss (dB)		0.07	0.10
Insertion loss (dB)	50/50	≤ 3.6	≤ 3.8
	40/60	$\leq 4.7/2.7$	$\leq 4.9/2.9$
	30/70	$\leq 6.0/1.9$	$\leq 6.3/2.1$
	20/80	$\leq 7.5/1.15$	$\leq 8.0/1.3$
	15/85	$\leq 9.5/1.0$	$\leq 10.0/1.2$
	10/90	9.2~11.2/ ≤ 0.75	8.80~11.40 / ≤ 0.8
	5/95	12.05~14.15/ ≤ 0.4	11.60~14.60 / ≤ 0.5
	2/98	15.75~18.45/ ≤ 0.3	15.15~19.00/ ≤ 0.4
	1/99	18.6~21.6 / ≤ 0.25	17.95~22.25/ ≤ 0.35
PDL (dB)		≤ 0.15	≤ 0.20
Directivity (dB)		≥ 55	
Return Loss(dB)		≥ 55	
Operating temperature (°C)		-40 ~ +85	

Package Information

Configuration	1x2 or 2x2		
Fiber length	1m, others on request		
Fiber Type	SMF-28e		
Pigtail type	250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions(φ×L)(mm)	φ3.0×L40 (E)or φ3.0×L54(D)orφ2.4×L42(N)	φ3.0×L54(D) φ3.0×L70(M)	L90×W14×H8.5(P5) L90×W20×H9.5(P7)

*** Other package dimensions can be made on customer request.

Ordering Information

DWF C	Wavelength	Port Type	Coupling Ratio	Grade	Package	Fiber type	00	Pigtail Type	Length	Connector
	0= 1310/ 1550	1=1x2 2=2x2 	1=1/99 2=2/98 3=3/97 4=4/96 5=5/95 A=10/90	P=P grade A=A grade	A=(φ4*L70) B=(φ4*L65) C=(φ4*L60) D=(φ3*L54) E=(φ3*L40)	0=SMF -28e 1= G657A 2	00	1=250um bare fiber 2=900um loose tube 3=3mm loose tube	H= 0.5m 8= 0.8m 1= 1m 5= 1.5m 2=2m 3=3m	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/UPC

			B=20/80 C=30/70 D=40/60 E=50/50	de	F=(ϕ 3*L35) G=(ϕ 3*L30) H=(ϕ 2.4*L24) Q=(ϕ 3*L45) P=90*20*9.5			4=2mm loose tube	4=4m	6=SC/APC
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