

760~850/1310~1590nm Fused WDM Coupler

FEATURES

- ▣ Low Excess Loss
- ▣ Variety Coupling Ratio
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

APPLICATIONS

- ▣ LAN WAN Systems
- ▣ Signal Monitoring
- ▣ Network Monitoring
- ▣ CATV
- ▣ Test Equipments



SPECIFICATIONS

Parameter	Unit	Value	
Wavelength Range 1 (λ_1)	nm	760±10, 780±10, 793±10, 808±10, 830±10, 850±10	
Wavelength Range 2 (λ_2)	nm	1310±20, 1550±20, 1590±20, 1625±10	
Insertion Loss (λ_1)	dB	≤1.0	
Insertion Loss (λ_2)	dB	≤1.0	≤1.5
Isolation (Demux)	dB	≥13	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	HI1060 Flex Fiber or SMF-28 Fiber	HI780 Fiber or 780-HP Fiber
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	Φ3.0xL60 for Bare Fiber
Dimension	Metal Box		Φ3.0xL76 for 900um Loose Tube
			L120xW12xH10 for 2mm/3mm Cable

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 3. 760~850nm transmits as low order modes in HI1060 Flex Fiber or SMF-28 Fiber.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FCLD- NN	NN	-	N	(C)	(C)	-(C)	(C)	C	NN	-	CC/CCC
Wavelength 1	Wavelength 2	Configuration	Mode	Fiber(λ1)	Package	Fiber (Com.&λ2)	Fiber Sleeve	Fiber Length	Connector Type		
78-780nm	15-1550nm	1- 1x2 Type	M= Mux	H= HI780 Fiber	M= Metal Box	H=HI780 Fiber	B= Bare fiber	05=0.5m	N=Without Connector		
79-793nm	13-1310nm	2- 2x2 Type	D= Demux	7=780-HP Fiber	Blank for SST	7=780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
59-1590nm	83-830nm		Blank for Both	S=SMF-28 Fiber		F=HI1060 Flex Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
62-1625nm	85-850nm			Blank for Same Fiber		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		