

Single-Mode Tri-Window Coupler (1310/1490/1550nm)

Specifications

Contact Hengyan Photonics with your custom specification needs.

Parameter			Unit	Value
Wavelength			nm	1310, 1490, and 1550
Bandwidth			nm	1310±40, 1490±10, and 1550±40
Excess Loss		Typ.	dB	0.07
Insertion Loss (23°C, All SOP)	50/50	Max	dB	3.6
	40/60	Max	dB	4.7/2.7
	30/70	Max	dB	6.0/1.9
	20/80	Max	dB	7.9/1.3
	10/90	Max	dB	11.2/0.75
	5/95	Max	dB	14.6/0.4
	2/98	Max	dB	18.8/0.3
	1/99	Max	dB	22.5/0.25
PDL		Max	dB	0.15
Directivity		Min	dB	55
Optical Power Handling		Max	W	4
Operating Temperature			°C	-40 to 85
Storage Temperature			°C	-40 to 85

* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.

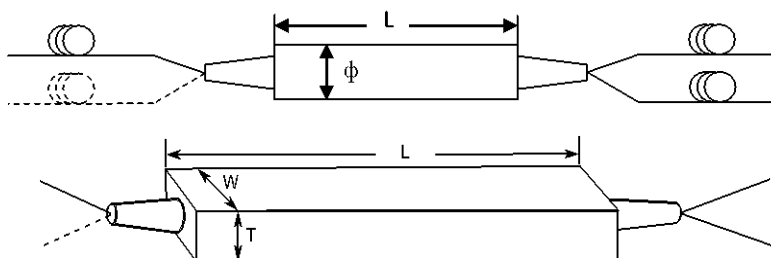
* SOP=State Of Polarization

Packaging

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Parameter		250μm bare fiber	900μm loose tube	900μm/3mm loose tube
Configuration		1x2 or 2x2		
Dimension	mm	Φ3.0 x L40 Φ3.0 x L54	φ3.0 x L54 φ3.0 x L56	L90 x W20 x T10

Package Diagram



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Ordering Information

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CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	T=Tri-Window	345=1310 +	50=50/50	12=1x2	A40=φ3.0 x L40	S=SMF-28	B=250um	05=0.5m	NE=None
		1490 +	20=20/80	22=2x2	A54=φ3.0 x L54	X= Others	L=900um	10=1.0m	FA=FC/APC
		1550	10=10/90		A56=φ3.0 x L56		W=2mm	15=1.5m	FC=FC/PC
		X: Others	05=05/95		C10=L90xW20x		H=3mm	20=2.0m	SA=SC/APC
			02=02/98	X= Others	T10			30=3.0m	SC=SC/PC
			01=01/99						ST=ST/PC
			X=Others		X=Others			X=Others	LA=LC/APC
									LC=LC/PC
									X=Others