

SINGLE-MODE COUPLER: 1x2, 2x2
(488, 532, 635, 780, 830, 980, or 1064nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	488, 532, or 635nm	780, or 830nm	980, or 1064nm	
Bandwidth		nm	±2	±5	±10	
Excess Loss		Max	dB	0.3	0.3	0.15
Insertion Loss (23°C, All SOP)	50/50	Max	dB	3.6		
	40/60	Max	dB	4.8/2.8		
	30/70	Max	dB	6.0/2.0		
	20/80	Max	dB	8.0/1.5		
	10/90	Max	dB	11.5/0.75		
	5/95	Max	dB	14.5/0.5		
	2/98	Max	dB	18.5/0.35		
PDL		Max	dB	0.2	0.2	0.1
Return Loss		Min	dB	50		
Directivity		Min	dB	50		
Optical Power Handling		Max	mW	100	4000	4000
Operating Temperature		°C		-5 to 75		
Storage Temperature		°C		-40 to 85		

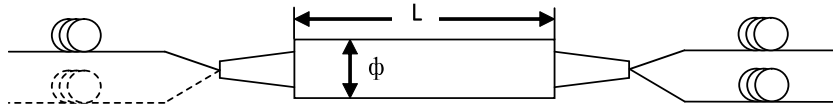
- * The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.
- * Optical Power Handling is limited to 1W if connectors are added.
- * SOP=State Of Polarization

Packaging

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Parameter		250µm bare fiber	900µm loose tube
Configuration		1x2 or 2x2	
Dimension	mm	φ3.0 x L54	φ3.0 x L70

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	S=Standard	488=488	50=50/50	12=1x2	A54=φ3.0xL54	H1=Hi 1060	B=250um	05=0.5m	NE=None	
		532=532	20=20/80	22=2x2	A70=φ3.0xL70	F1=1060 Flexcore	L=900um	10=1.0m	FA=FC/APC	
		635=635	10=10/90				W=2mm	15=1.5m	FC=FC/PC	
		780=780	05=05/95	X= Others	X=Others	X= Others	H=3mm	20=2.0m	SA=SC/APC	
		830=830	02=02/98					30=3.0m	SC=SC/PC	
		980=980	01=01/99						ST=ST/PC	
		10=1064						X=Others	LA=LC/APC	
										LC=LC/PC
				X: Others	X=Others					X=Others

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