



上海量青光电技术有限公司

偏振分束器/合束器

Polarization Beam Combiner/Splitter



Applications:	Features:
EDFA & Raman Amplifier Fiber Sensor Coherent Telecommunication Systems Polarization Mode Dispersion Compensator	Low Insertion Loss High Extinction Ratio High Stability and Reliability

Parameter	Unit	Specification			
Part No.	-	LQ-PMISO-W-G-T-AA-P-PF-C			
Operating wavelength	nm	1310,1480,1550		1064,1030	
		P	A	P	A
Operating Bandwidth	nm	±40		±20	
Insertion Loss	dB	0.4~0.6	0.5~0.7	0.6~0.8	0.7~0.9
Extinction Ratio	dB	>22	>20	>22	>20
Power handling CW	mW	<300			
Directivity	dB	>50			
Return loss	dB	>50			
Fiber type Port1&2	-	PM1310,PM1550,PM980			
Fiber type Port3	-	SMF-28e,PM1310,PM1550,HI1060,PM980			
Ports Marking color(only for 250um bare fiber)		Port2 :Black ,Other ports :Clear			
Ports Marking color(only for devices with 900um loose tube)		900um Red loose tube for all ports; marking:port2:black.			
Operating Temperature	℃	-5~+70			
Storage Temperature	℃	-40~+85			
Dimensions	mm	P1 φ5.5 × L35, P2 L90*W20*H9.5(ABS)			

Above specifications are for device without connector.

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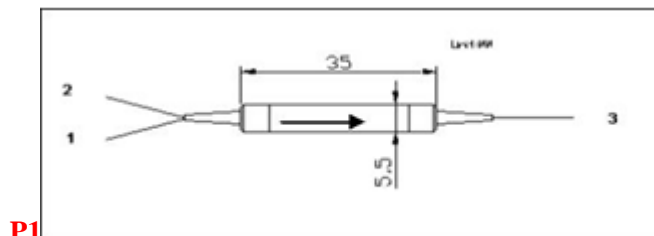
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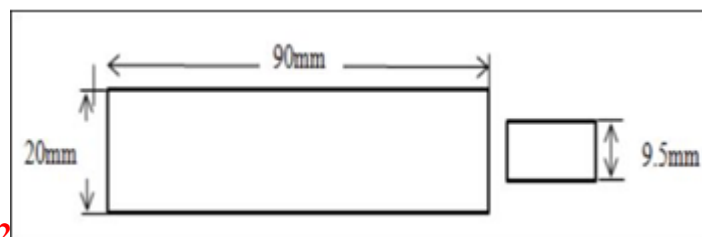
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For devices with connector, IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.

The PM fiber and the connector key are aligned to the slow axis.



P1



P2

Order Information:

LQ-PBS/PBC-W-G-T-AA-P-PF-C

W:Wavelength, 03=1030nm,06=1064nm,31=1310nm,55=1550nm

G:Grade,P=P grade,A=A grade

FT:Fiber Type,**A**-SM-28e,**B**-HI1060,**C**-PM Fiber slow axis align to Port1,**D**-PM Fiber slow axis align 45° to Port 1

AA:Axis alignment,F=Fast axis blocked,B=Both axis working

P:Package,P1=φ5.5 × L35,P2=L90*W20*H9.5

PF: Pigtail fiber, 0=250um,1=900um,3=3mm

C: Connector,O=No Connector,FU=FC/UPC,FA=FC/APC,SA=SC/APC,,SU=SC/UPC

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