

PLC Planar Lightwave Circuit Splitter

Model #: PLC

Description: Planar Lightwave Circuit Splitter

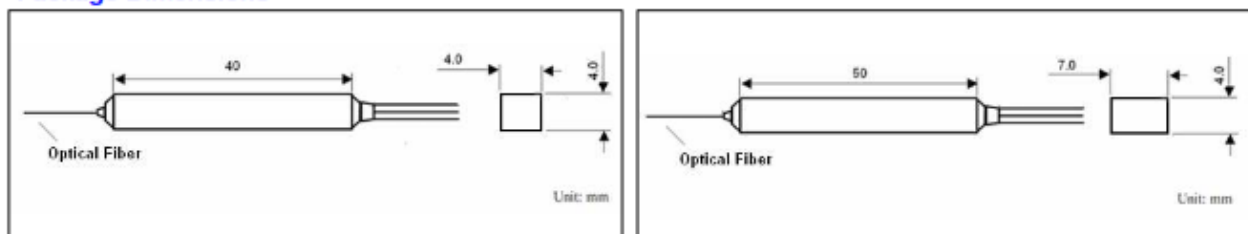
Application: FTTx Systems, LAN, WAN, Metro Networks, Analog Passive Optical Networks, CATV Networks and other communication systems

Specifications:

Parameter		Unit	Specifications									
Operating Wavelength		nm	1260 ~ 1650									
Type			1 x 4	1 x 8	1 x 16	1 x 32	1 x 64	2 x 4	2 x 8	2 x 16	2 x 32	2 x 64
Insertion Loss	Typ.	dB	6.8	10.0	13.0	16.0	19.5	7.0	10.5	13.5	16.5	20.5
	Max.	dB	7.3	10.6	13.7	16.8	21.0	7.6	11.0	14.5	17.5	21.0
Uniformity	Typ.	dB	0.5	0.5	1.0	1.0	1.5	0.8	1.0	1.2	1.5	2.0
	Max.	dB	0.6	0.8	1.2	1.5	2.0	1.0	1.2	1.5	1.8	2.2
PDL	Typ.	dB	0.15	0.15	0.2	0.25	0.3	0.15	0.2	0.2	0.3	0.3
	Max.		0.2	0.2	0.25	0.3	0.35	0.2	0.3	0.4	0.4	0.4
Min. Return Loss		dB	50									
Min. Directivity		dB	55									
Max. Optical Power (CW)		mW	300									
Operating Temperature		°C	-40 to +85									
Storage Temperature		°C	-40 to + 85									
Fiber Type			ITU G652.D/G657.A									
Dimension	Bare fiber	mm	40 x 4 x 4	50x4x4	50x7x4	60x12x4	50x4x4	50x7x4	60x7x4	60x12x4	80x20x6	100x40x6
	Mini Module	mm	60 x 7 x 4	60x12x4	80x2x6	100x40x6	60x7x4	60x12x4	80x20x6	100x40x6		
	Module	mm	100 x 80 x 10	120 x 80 x 8	242x115x15	100x80x10	120x80x8	141x115x15				
	Rack Mount	mm	19" 1U Rackmount, LGX box									

Note: The above specifications are for a device without connectors. For a device with connectors, IL may increase 0.3 dB, and RL may decrease 5 dB.

Package Dimensions



Ordering Information:

Single Stage: PLC-AAAA-BBBB-C-DD-E-F

AAAA: configuration	BBBB: wavelength	C: fiber jacket	DD: connector type (in/out)	E: fiber length	F: package type
0104 – 1 x 4	2665 – 1260 ~ 1650 nm	B – 250 um bare fiber	11 - FC/UPC	H – 1.0 m	1 – bare fiber
0108 – 1 x 8	XX - other	L - 900 μm loss tube	22 - FC/APC	X - other	2 – mini module

0116 – 1 x 16		2 – 2.0mm cable	33 - SC/UPC		3 - module
0132 – 1 x 32		C – 3.0mm cable	44 - SC/APC		4 – 19” 1U rack mount, LGX box
0164 – 1 x 64		R – Ribbon fiber	55 – LC/UPC		
0204 - 2 x 4			66 – ST/UPC		
0208 – 2 x 8			N - none		
0216 – 2 x 16			X - other		
0232 – 2 x 32					
0264 – 2 x 64					