



5728 Major Blvd.
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 www.cobian-etc.com

Contact:

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DESCRIPTION

Product Function

PLC Splitters are based on the Planar Waveguide Technology. The product's own ultra-low polarization dependent loss (PDL) also features low insertion loss and high port uniformity. This product is compliant with GR-1221-CORE requirements and the ROHS Directive.

Product Application

FTTH
 LAN, WAN systems
 CATV systems

OPTIC AND/OR ELECTRIC SPECIFICATIONS

1x4 PLC Splitter

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.1	Operating Wavelength	1260 ~1600			nm	
2.2	Insertion Loss		7.1	7.4	dB	
2.3	Uniformity			0.8	dB	
2.4	Return Loss	55			dB	
2.5	Directivity	55			dB	
2.6	PDL			0.3	dB	
2.7	Input Power			250	mW	
2.8	Connector (All)					Customer specify
2.9	Module Package Device Package	46x5x4 (B) 140x114x18			mm	
2.10	Rack Package	482x230x44 or customize			mm	

NOTE: All the above data are measured without connectors.



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1x8 PLC Splitter

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.11	Operating Wavelength	1260 ~1600			nm	
2.12	Insertion Loss		13.6	13.9	dB	
2.13	Uniformity			1.4	dB	
2.14	Return Loss	55			dB	
2.15	Directivity	55			dB	
2.16	PDL			0.3	dB	
2.17	Input Power			250	mW	
2.18	Connector (All)					Customer specify
2.19	Module Package Device Package	60x7x4 (C) 140x114x18			mm	
2.20	Rack Package	482x230x44 or customize			mm	

NOTE: All the above data are measured without connectors.

1x16 PLC Splitter

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.21	Operating Wavelength	1260 ~ 1600			nm	
2.22	Insertion Loss		10.4	10.7	dB	
2.23	Uniformity			1.0	dB	
2.24	Return Loss	55			dB	
2.25	Directivity	55			dB	
2.26	PDL			0.3	dB	
2.27	Input Power			250	mW	
2.28	Connector (All)					Customer specify
2.29	Module Package Device Package	46x5x4 (B) 140x114x18			mm	
2.30	Rack Package	482x230x44 or customize			mm	

NOTE: All the above data are measured without connectors.



EQUIPMENT DATA SHEET: PLC 1xN Splitter

1x24 PLC Splitter

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.31	Operating Wavelength	1260 ~1600			nm	
2.32	Insertion Loss		15.5	15.8	dB	
2.33	Uniformity			1.4	dB	
2.34	Return Loss	55			dB	
2.35	Directivity	55			dB	
2.36	PDL			0.3	dB	
2.37	Input Power			250	mW	
2.38	Connector (All)					Customer specify
2.39	Module Package Device Package	60x7x4 (C) 140x114x18			mm	
2.40	Rack Package	482x230x44 or customize			mm	

NOTE: All the above data are measured without connectors.

1x32 PLC Splitter

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.41	Operating Wavelength	1260 ~1600			nm	
2.42	Insertion Loss		16.8	17.2	dB	
2.43	Uniformity			1.6	dB	
2.44	Return Loss	55			dB	
2.45	Directivity	55			dB	
2.46	PDL			0.3	dB	
2.47	Input Power			250	mW	
2.48	Connector (All)					Customer specify
2.49	Module Package Device Package	60x7x4 (C) 140x114x18			mm	
2.50	Rack Package	482x230x44 or customize			mm	

NOTE: All the above data are measured without connectors.

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1x64 PLC Splitter A

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.51	Operating Wavelength	1270 ~ 1350, 1510 ~ 1590			nm	
2.52	Insertion Loss		19.7	20.1	dB	
2.53	Uniformity			1.6	dB	
2.54	Return Loss	55			dB	
2.55	Directivity	55			dB	
2.56	PDL			0.3	dB	
2.57	Input Power			250	mW	
2.58	Connector (All)					Customer specify
2.59	Module Package Device Package	140x114x36			mm	
2.60	Rack Package	482x202x88 or customize			mm	

NOTE: All the above data are measured without connectors.

1x64 PLC Splitter B

ITEM	PARAMETERS	VALUE			UNIT	NOTE
		MIN	TYPE	MAX		
2.61	Operating Wavelength	1310+/-40, 1490+/-20, 1550+/-40			nm	
2.62	Insertion Loss		20.3	20.7	dB	
2.63	Uniformity			1.9	dB	
2.64	Return Loss	55			dB	
2.65	Directivity	55			dB	
2.66	PDL			0.4	dB	
2.67	Input Power			250	mW	
2.68	Connector (All)					Customer specify
2.69	Module Package Device Package	140x114x36			mm	
2.70	Rack Package	482x202x88 or customize			mm	

NOTE: All the above data are measured without connectors.



ABSOLUTE MAXIMUM RATINGS

NO	PARAMETERS	SPECIFICATION	UNIT	NOTE
3.1	Operation Temperature	-40 to 85	°C	
3.2	Operation Humidity	5 to 95	%RH	
3.3	Storage Temperature	-40 to 85	°C	
3.4	Storage Humidity	5 to 95	%RH	

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ORDER INFORMATION

PLCS	-X	-X	-X	-X	-X	-X
14: 1X4 18: 1X8 116: 1X16 124: 1X24 136: 1X36 164: 1X64	131: 1310nm 155: 1550nm 135: 1310 & 1550nm 345: 1310&1490&1550nm	Rack package: 00 Module Package C1: 1m, 900um D1: 1m, 250um Device package: A1: 1m, Dia 2mm B1: 1m, Dia 3mm C1: 1m, Dia 0.9mm LGX: L	Rack package: 00 Module Package 1/0.5: 1m/0.5m Device package: A1: 1m, Dia 2mm B1: 1m, Dia 3mm C1: 1m, Dia 0.9mm LGX: L	FC, SC, LC / UPC, APC	11: Rack package (482x230x44) * 12: Rack package (482x202x88) ** A: Module package B: Module package C: Module package 15A: Device package (140x114x18) 15B: Device package (140x114x36) L: LGX	
Port	Wavelength	Input Fiber Length	Ribbon/Fanout Output Fiber Length	Connector	Package	

*: For 1X16 and 1X32 PLC rack mount package
**: For 1X64 rack mount