



PLANAR LIGHT CIRCUIT (PLC) OPTICAL SPLITTERS

Key features:

(PLC) Splitters are fully passive optical branching devices that exhibit uniform signal splitting for the most advanced optical networks. These planar silica waveguide devices are packaged in small form factor housings.

Bend insensitive, reduced water peak singlemode fiber is used to provide low bending loss in applications which require tight radius or significant handling by the technician. These splitters are manufactured and tested to GR-1209/1221 to provide the high performance and reliability needed in the outside plant environment. Applications for the PLC splitters include all FTTH network architectures (GPON, BPON, EPON), Passive Optical LAN and CATV.



SPECIFICATIONS

BRAND	KYO ELECTRIC
MODEL	PLC.1xN.AABBB.CCDDD.EEE.BOX AA (input): PI=pigtail, SU=SC/UPC, SA=SC/APC, LU=LC/UPC, LA=LC/APC, other connector, please ask. BBB=Input length in cm CC (output): PI=pigtail, SU=SC/UPC, SA=SC/APC, LU=LC/UPC, LA=LC/APC, other connector, please ask. DDD=Output length in cm EEE: Diameter of cable: 250, 900, 2mm, 3mm BOX: Optional if boxed, ex: ABS100X80X10 Example: SPL.1X8.SA150.SA150.2mm.ABS100X80X10
WAVELENGTH	1260 ~ 1360 nm & 1450 ~ 1650 nm
TEMPERATURE RANGE	-40°C to 85°C
FIBER INPUT & OUTPUT	Bend insensitive SM fiber meets (ITU G.652D and G.657A)
OUTPUTS COLOR CODED PER TIA/EIA 598-B	Or by request.
CONNECTOR	None, SC/UPC, SC/APC (others by request)
LENGTH RIBBON	L1 and L2: from 0.3m to 2m
INPUTS/OUTPUTS	1x2, 1x4, 1x8, 1x16, 1x32, 2x2, 2x4, 2x8, 2x16, 2x32

Parameters	1x2	1x4	1x8	1x16	1x32	2x2	2x4	2x8	2x16	2x32
Insertion loss (dB)	3.7	7.2	10.5	13.5	16.5	3.9	7.5	10.8	14.1	17.4
Uniformity (dB)	≤0.6	≤0.6	≤0.8	≤1.2	≤1.7	≤0.8	≤1.2	≤1.5	≤2.0	≤2.5
PDL (dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3	≤0.2	≤0.3	≤0.4	≤0.4	≤0.4
Return loss (dB)	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55
Directivity (dB)	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55	≥55

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