Boxed Pigtail PLC Optical Splitter 1x8, FC/UPC

Fiber Optics / Optical Splitters

Boxed PLC with pigtails 1×8 · FC/UPC · 1260–1650 nm

KG-FO-PLC-BOX-1X8-FCUPC

Technology
PLC — Planar Lightwave Circuit

Format
Box with pigtails

Configuration
1 input × 8 outputs

Key features

- 1 input and 8 optical outputs.
- FC/UPC termination on the input and output fibers.
- Wavelength of 1260–1650 nm.
- Insertion loss of 10.5 dB according to the manufacturer datasheet.
- Body of 100 × 80 × 10 mm.
- Uniform power distribution using PLC technology.
- Passive component, no external power supply.

Technical specifications

Parameter	Specification
Technology	PLC — Planar Lightwave Circuit
Format	Box with pigtails
Configuration	1 input × 8 outputs
Termination	FC/UPC
Power distribution	Uniform
Fiber length	To be confirmed by version

Technical specifications

Parameter	Specification
Wavelength	1260–1650 nm
Insertion loss (catalog)	10.5 dB
PDL (catalog)	0.2 dB
Body dimensions (L × W × H)	100 × 80 × 10 mm
Operating temperature	−40 to +85 °C
Fiber	G657A or as specified by the customer
Uniformity (max., family table)	0.8 dB
Wavelength dependence (max., family)	0.5 dB
Thermal stability (max., −40 to +85 °C)	0.5 dB
Storage temperature	−40 to +85 °C
Return loss (catalog value)	55 dB; limit direction to be confirmed
Directivity (catalog value)	55 dB; limit direction to be confirmed
Operation	Passive
Sales unit	1 optical splitter
Packaging	Resealable bag
Image	Series reference image. The number of outputs corresponds to the configuration specified for this SKU.
Specification basis	Manufacturer datasheet for this technology, configuration and termination. Values published in the catalog.
Warranty	5 years

Applications

FTTH / PON networks
Distribution of one feeder fiber to 8 branches, depending on the power budget and network configuration.

Distribution points
Integration in boxes, trays and cabinets with adequate fiber space.

Expansion and maintenance
Selection by technology, output count and connector termination.

Distribution by building zone
Assign optical outputs to different areas or subscribers and label each branch; calculate accumulated losses before adding further splits.

Packaging & contents

1 optical splitter in a resealable bag. The described box is part of the splitter only for BOX models.

Warranty

KONGIA 5-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant