Cassette SC/UPC

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Variants

Cassette 1*2 Cassette 1*4 Cassette 1*8

Details

PASSIVE OPTICAL SPLITTER

Single Mode • 1×N Configuration • SC UPC • FTTH / PON Networks

Product Overview

The **PLC Splitter Cassette Type SC UPC** is a passive optical component designed to divide one optical input signal into multiple output signals for FTTH and PON fiber networks.

It supports **single-mode G.657A1 / G.652D fiber**, operates across the **1260–1650 nm** wavelength range, and is supplied in a protective cassette / LGX housing for organized and reliable fiber installation.

CONFIGURATION

1 × N

CONNECTOR

SC UPC

WAVELENGTH

1260–1650nm

FIBER TYPE

Single Mode

Key Features

? PLC Splitter Cassette / LGX Type

? SC UPC Connector

? 1 × N Optical Splitting

? G.657A1 / G.652D Single Mode Fiber

? 1260–1650 nm Operating Range

? Low Polarization Dependent Loss

? High Return Loss & Directivity

? Suitable for FTTH / GPON / XGSPON

Technical Specifications

Parameter	Specification

Product Type	PLC Splitter – Cassette Type
Configuration	1 × N
Fiber Type	Single Mode G.657A1 / G.652D
Operating Wavelength	1260 ~ 1650 nm
Insertion Loss – P Grade	? 10.4 dB
Insertion Loss – S Grade	? 10.6 dB
Polarization Dependent Loss (PDL)	? 0.3 dB
Loss Uniformity	? 1.0 dB
Return Loss	? 55 dB (P Grade) / ? 50 dB (S Grade)
Directivity	? 55 dB
Connector Type	SC/UPC (SC/APC Optional)
Cable Length	1.0 m (Customizable)
Fiber Diameter	0.9 mm / 2.0 mm
Housing Type	ABS Cassette / LGX Box
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Dimensions (L × W × H)	Approx. 120 × 80 × 18 mm

Applications

- FTTH Networks
- GPON Networks
- XGSPON Networks
- OLT Distribution
- ODF Installation
- Fiber Distribution Box
- ISP Fiber Networks

Cassette Type for Easy Installation

The cassette / LGX housing protects the PLC splitter and keeps fiber connections organized, making it suitable for installation inside ODFs, fiber distribution cabinets, racks and FTTH network systems.

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