



- ☒ Compact design
- ☒ Low insertion loss
- ☒ Operating wavelength from 1260nm to 1650nm
- ☒ ABS housing
- ☒ 25 Year System Warranty

## Product Overview

The Enbeam Planar Lightwave Circuit (PLC) Splitter is fabricated using silica optical waveguide technology. Its compact size, high reliability, wide operating wavelength and good channel-to-channel uniformity is widely used in Passive Optical Networks (PON). Excel provides whole series of 1xN splitter products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements.

## Product Specifications

Feature	Values
Material	Plastic

## Additional specifications

Features	All	1x4	1x8	1x16	1x32
Operating wavelength	1260 to 1650 nm				
Fibre type	G657A2				
Temperature stability (dB)	(-40 °C to 85 °C)	≤0.4	≤0.4	≤0.5	≤0.5
Storage temperature	-40 °C to 85 °C				
Return loss	≥55 dB				
Directivity	>55 dB				
Wavelength		0.3	0.3	0.3	0.5

dependent  
Loss (dB)

Insertion loss  
P/S Grade (dB)

7.2/7.4

10.3/10.7

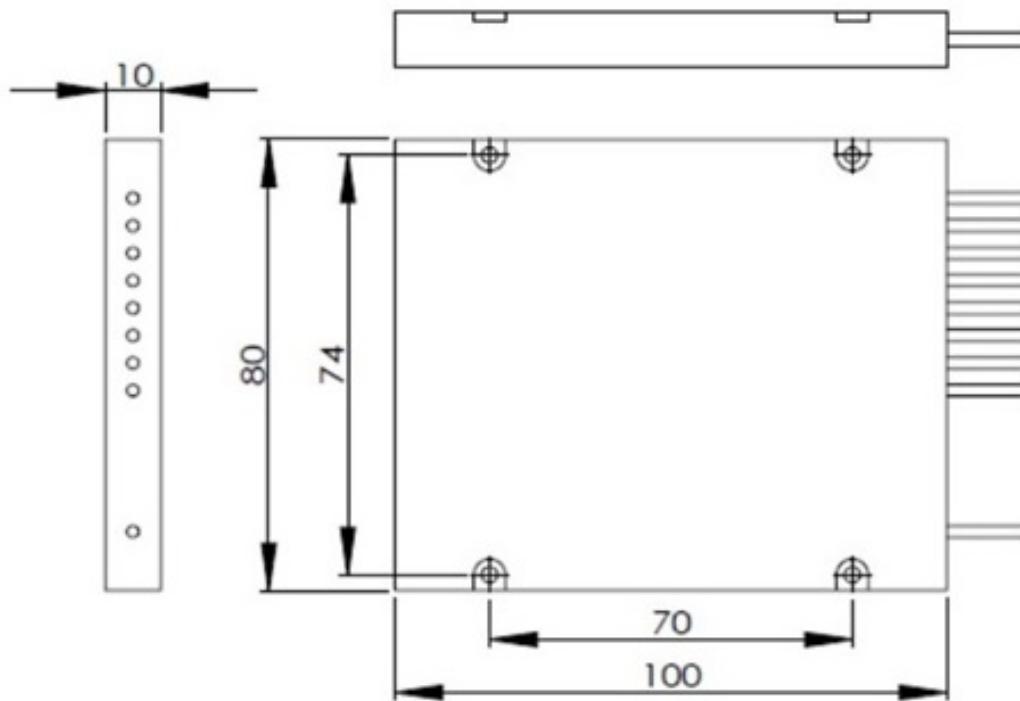
13.5/13.7

16.5/16.9

Maximum  
power  
handling

500 mW

### Product drawing



### Standards

Applicable standard	Detail
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1:

	General and guidance
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

### Part Number Table

Part Number	Description
208-906	Excel Enbeam 1x 4 SC/APC Boxed PLC Splitter
208-907	Excel Enbeam 1x 8 SC/APC Boxed PLC Splitter
208-908	Excel Enbeam 1x 16 SC/APC Boxed PLC Splitter
208-909	Excel Enbeam 1x 32 SC/APC Boxed PLC Splitter

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)

E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.

