

Product Specification

GEAPON Splitter

EPL-SPT-8

EPL-SPT-32

EPL-SPT-64

Version 2.1

This document contains confidential proprietary information and is property of PLANET. The contents of this document should not be disclosed to unauthorized persons without the written consent of PLANET.

Change History:

| Revision: | Date: | Author: | Change List |
|-------------|------------|-----------|----------------------|
| Version 1.0 | 2012/1/9 | Bryant Wu | Initial Release |
| Version 2.0 | 2012/10/11 | Bryant Wu | Add 1x 64CH Splitter |
| Version 2.1 | 2013/10/28 | Bryant Wu | Add 1x 8CH Splitter |

| | | | |
|---------------------|-----------|---------------------|-----------|
| Author: | Bryant Wu | Editor: | Bryant Wu |
| Reviewed By: | Kent Kang | Approved By: | Tom Shih |

1. PRODUCT DESCRIPTION



PLANET EPL-SPT-8



PLANET EPL-SPT-32



PLANET EPL-SPT-64

PLANET EPL-SPT-8, EPL-SPT-32 and EPL-SPT-64 are Single-mode PLC splitter which can separate a single optical input to multiple optical outputs uniformly. The splitter provides high quality performance, such as Low Insertion Loss, Low PDL, High Return Loss, Wide Wavelength Range from 1260nm to 1650nm and Wide Operating Temperature Range from -40 to 85 Degree C.

The PLANET EPL-SPT-8, EPL-SPT-32 and EPL-SPT-64 are fully compliant with PLANET GEAPON Technology, with high split ratio at 1:8 / 1:32 / 1:64 and support the usage of PLANET OLT (EPL-2000) and ONUs (EPN-102), users can minimize the investment cost and deploy the network easily. It provides the cost-effective solution, Scalability and Flexibility for optical network distribution.

2. PRODUCT FEATURES

- 1 : 8 High Split Ratio (EPL-SPT-8)
- 1 : 32 High Split Ratio (EPL-SPT-32)
- 1 : 64 High Split Ratio (EPL-SPT-64)
- Low Insertion Loss
- Low PDL (Polarization Dependent Loss)
- High Reliability and Stability
- Wide Operating Wavelength 1260nm to 1650nm
- Wide Operating Temperature -40 to 85 Degree C
- Cassette size

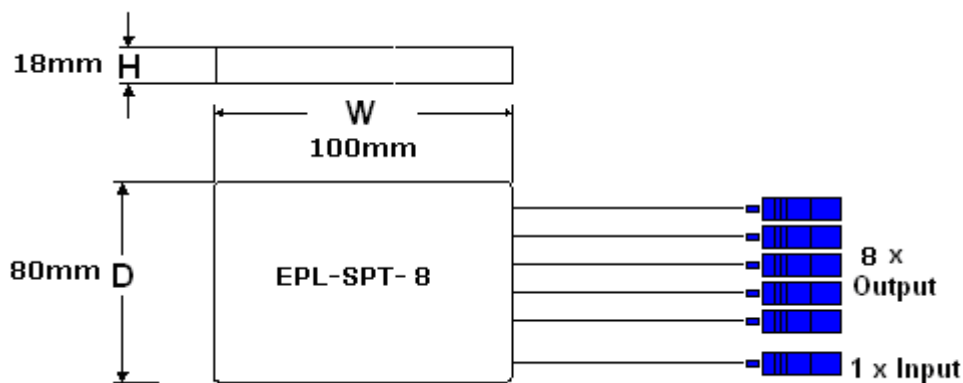
3. PRODUCT SPECIFICATION

3.1 FUNCTION SPECIFICATION

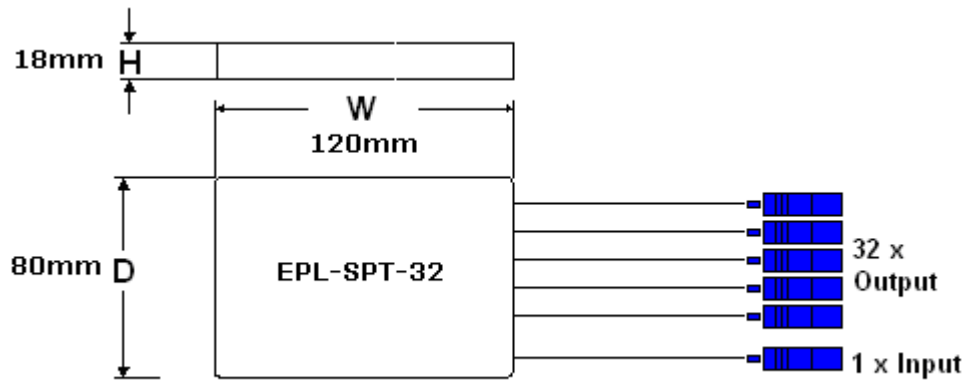
| Product | GEAPON Splitter | | |
|----------------------------------|--|------------------|-------------------|
| | EPL-SPT-32 | EPL-SPT-32 | EPL-SPT-64 |
| Optical Performance | | | |
| Split Ratio | 1 x 8 | 1 x 32 | 1 x 64 |
| Operation Wavelength | 1260 ~ 1650nm | | |
| Insertion Loss (max.) | 10.2dB | 16.5dB | 20.5dB |
| Polarization Dependent Loss | 0.25dB | 0.3dB | |
| Uniformity | 0.8dB | 1.5dB | 2.5dB |
| Return Loss | 55dB | | |
| Directivity | 55dB | | |
| Environment Specification | | | |
| Dimension (W x D x H) | 100 x 80 x 10 mm | 120 x 80 x 18 mm | 140 x 115 x 18 mm |
| Weight | 112g | 274g | 515g |
| Temperature | Operating temperature: -40 ~ 85 Degree C Storage temperature: -40 ~ 85 Degree C | | |
| Pigtail Length | ≥1.0m | | |
| Connector Type | SC/APC Connector | | |
| RoHS | RoHS Compliant | | |

3.2 PHYSICAL SPECIFICATIONS:

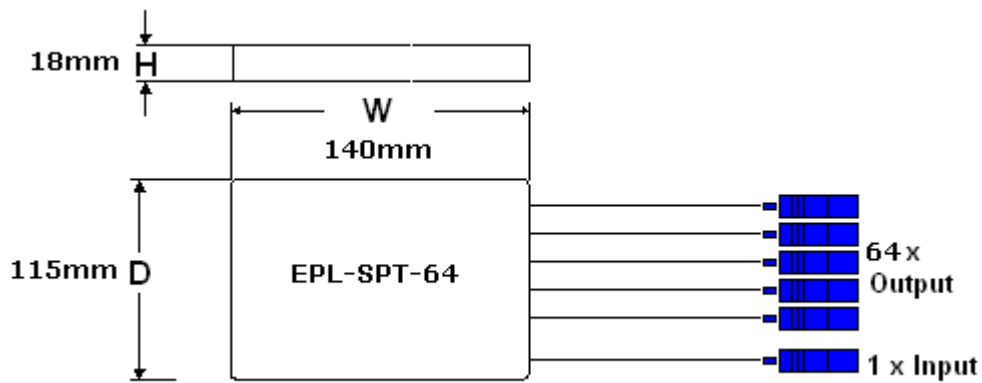
■ EPL-SPT-8



■ EPL-SPT-32



■ EPL-SPT-64



3.3 ENVIRONMENTAL SPECIFICATION

Operating:

- Temperature: -40°C ~ 85 degree C
- Relative Humidity: 5% ~ 95% (non-condensing)

Storage:

- Temperature: -40°C ~ 85 degree C
- Relative Humidity: 5% ~ 95% (non-condensing)

3.4 REGULATORY COMPLIANCE

FCC Class B