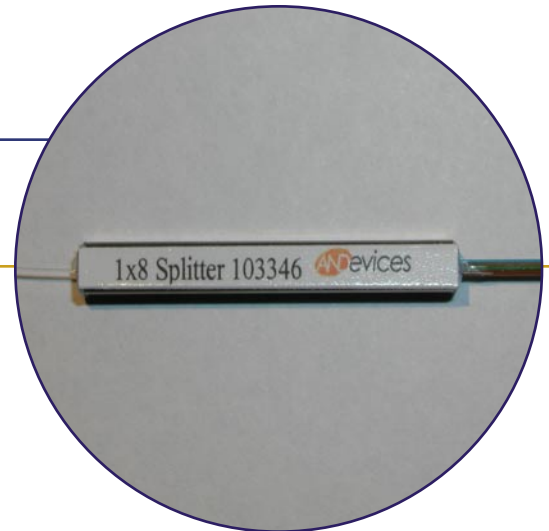


Planar Waveguide Components

PLANAR OPTICAL SPLITTER/COUPLER MODULE (APSPL-P0XXXXX)

APSPL planar optical splitters/couplers are developed based on ANDevices' patent pending CVD process in conjunction with precision aligned fibers. The high performance silica waveguides exhibit low insertion loss and low polarization dependent loss (PDL) over a wide wavelength and temperature range.



Features

- High Channel Counts
- Compact Design
- Wide Band
- Wide Operating Temperature

Applications

- Intensity Coupling and Splitting in FTTH, PON, and CATV Systems

Options

- Channel Counts from 4, 8, to 16
- 32 Available Upon Request

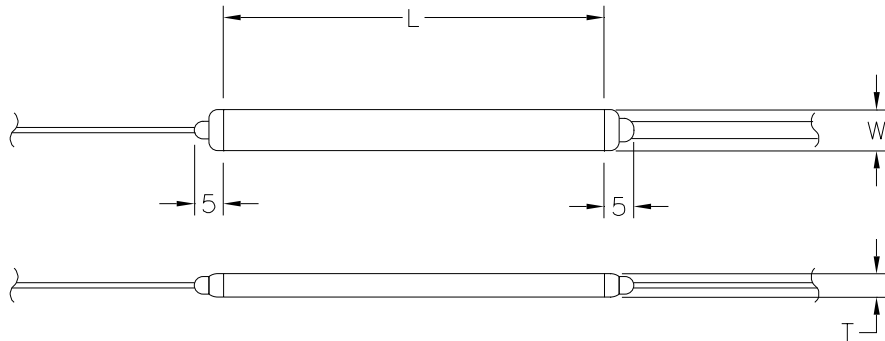
Optical Performance

| Parameter | Specification | | | | | | | Units | Comments |
|-----------------------------|--------------------------|------|-------|-------|-------|-------|-------|-------|--|
| | 1x4 | | 1x8 | | 1x16 | | 1x32 | | |
| Ports | | | | | | | | | |
| Grades | A | B | A | B | A | B | A | | |
| Operational Wavelength | 1310 ± 40 and 1550 ± 40 | | | | | | | nm | |
| Insertion Loss (IL) Maximum | ≤7.4 | ≤7.7 | ≤10.8 | ≤11.1 | ≤14.3 | ≤14.8 | ≤17.5 | dB | Worst Case Port. Losses are without connectors |
| Uniformity | ≤0.8 | ≤1.0 | ≤1.0 | ≤1.2 | ≤1.3 | ≤1.5 | ≤1.5 | dB | Difference between best and worst IL's |
| Polarization Dependent Loss | ≤0.3 | | | | | | | dB | |
| Return Loss/Directivity | 55 | | | | | | | dB | |
| Operation Temperature | -40 ~ 85 | | | | | | | °C | |
| Storage Temperature | -40 ~ 85 | | | | | | | °C | |
| Dimension | See Physical Dimensions. | | | | | | | | |

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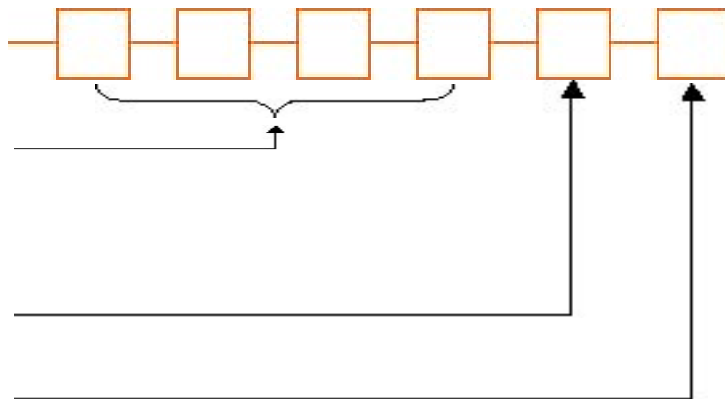
Physical Dimensions



| Ports | 1x4 | 1x8 | 1x16 | 1x32 | Comment |
|-------|-----|-----|------|------|-----------------|
| L | 40 | 40 | 50 | 65 | Length in mm |
| W | 4 | 4 | 7 | 10 | Width in mm |
| T | | 4 | | 6 | Thickness in mm |

Ordering Information

APSPL-P



Channel Numbers:

0104: 4 Channels
 0108: 8 Channels
 0116: 16 Channels
 0132: 32 Channels

Grade:

A or B if Applicable

Connector Types:

0=no connectors 4=SC/SPC 8=ST/APC C=LC/UPC
 1=FC/SPC 5=SC/APC 9=ST/UPC D=MU/UPC
 2=FC/UPC 6=SC/UPC A=LC/SPC
 3=FC/APC 7=ST/SPC B=LC/APC

Example: APSPL-P0108A1: 1x8 grade A splitter module with FC/SPC connectors

For more information on this product or other products now available from ANDeviCes, please contact us at sales@andevices.com