

## Planar Waveguide Components

### POLARIZATION MAINTAINING PLANAR OPTICAL SPLITTER/COUPLER MODULE (APSPM-P0XXXXX)

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



#### Features

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

#### Applications

- Splitting or Combining Output Power of Transmitters Using Polarization Maintaining Fiber
- Test Bed

#### Options

- Higher Extinction Ratio Available Upon Request
- 32-channel Available Upon Request
- Other Types of PM Fibers Available Upon Request

#### Optical Performance

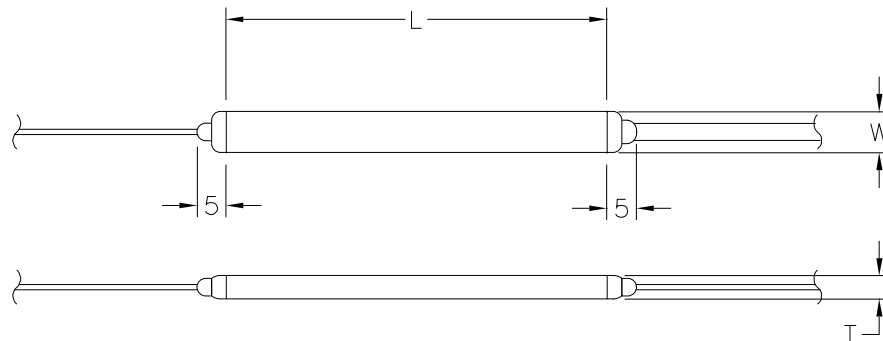
Parameter	Specification		Units	Comments
Ports	1 x 8	1 x 16		
Operational Wavelength	1310 ± 40 and 1550 ± 40		nm	
Insertion Loss (IL) Maximum	≤10.8	≤14.5	dB	Worst Case Port. Losses are without connectors
Uniformity	≤0.9	≤1.3	dB	Difference between best and worst IL's
Extinction Ratio	≥20		dB	Maximum in passband
Return Loss/Directivity	55		dB	
Operation Temperature	-20 ~ 70		°C	
Storage Temperature	-40 ~ 85		°C	
Dimension	See Physical Dimensions			
Fiber Type	PM Panda Fiber			

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## Physical Dimensions



Ports	1x4	1x8	1x16	Comment
L	40	40	50	Length in mm
W	4	4	7	Width in mm
T	4			Thickness in mm

## Ordering Information

### APSPM-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: APSPM-P01165 = 1x16-channel in package form with Panda PM fibers and SC/APC connectors**

For more information on this product or other products now available from ANDevices, please contact us at [sales@andevices.com](mailto:sales@andevices.com)