

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

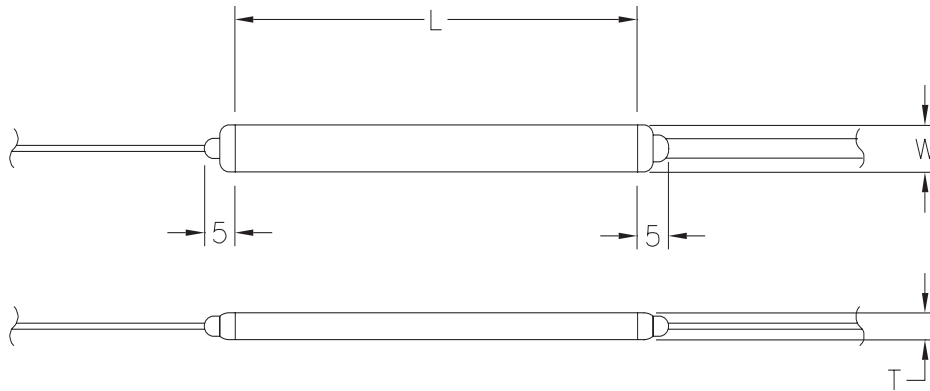
Optical Performance

Parameter	Specification			Units	Comments
	1 x 4	1x8	1x16		
Ports	1 x 4	1x8	1x16		
Operational Wavelength	1310±40 and 1550±40			nm	
Insertion Loss (IL) Maximum	≤7.40	≤10.8	≤14.5	dB	Worst Case Port. Losses are without connectors
Uniformity	≤0.80	≤0.90	≤1.30	dB	Difference between best and worst IL's
Extinction Ratio	≥18			dB	
Return Loss/Directivity	55			dB	
Operation Temperature	-20 ~ 70			°C	
Storage Temperature	-40 ~ 85			°C	
Dimension	See Physical Dimensions				
Fiber Type	PM Panda Fiber				

2933 Bayview Drive
 Fremont, CA 94538
 Tel: (510) 226-8900
 Fax: (510) 226-8333

sales@andevices.com
 www.andevices.com

Physical Dimensions (Units:mm)



Ports	1x4	1x8	1x16
L		55	
W		7	
T		5	

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