

Single Mode Wide Band Planar Optical Splitter

Product Description

The wideband optical splitter is an integrated, symmetrical, passive, broadband, low loss component incorporating Nanovation's planar silica technology. It is designed to operate over the entire 1260 to 1600 nm fiber transmission band and is ideally suited for applications in fiber optic telecommunications and Hybrid Fiber Coax (HFC) CATV systems. It is packaged in a rugged housing with pigtail fiber leads.

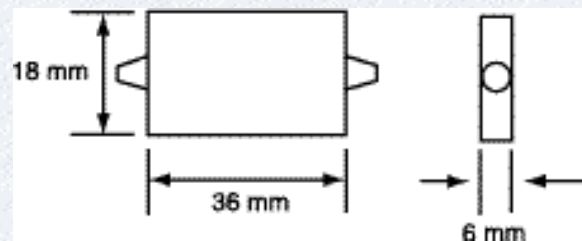
This device takes advantage of Nanovation's low cost silica-on-silicon technological approach to the design and manufacturing of optical components for the telecommunications industry and is characterized by its low insertion loss, high isolation between output ports, ruggedness and high reliability. It is ideally suited for long haul, metropolitan and local area fiber optic networks including WDM, DWDM and OADM systems.

The silica technology employed in the product design is scalable, enabling higher levels of system integration. Standard products will include arrays of 1x8, 1x16, 2x8 and 2x16 components with equal split ratios. Customer specific integrated optical components can be fabricated by combining several optical functions such as splitters, combiners, monitoring taps and switches to form a fully integrated system solution.

For more information about the availability of this device or custom integrated optical products, direct your inquiries to your local Nanovation sales representative or contact Nanovation directly.



Typical Outline Drawing



Product Specifications

Measurement	OS	OS	OS	OS	OS
Port Configuration	1x2	1x8	1x16	2x8	2x16
Bandwidth (nm)	1260-1600				
Insertion Loss (dB)	<3.6	<10.7	<14.5	<11.6	<15.0
Uniformity (dB)	<0.2	<1.3	<1.8	<2.0	<2.5
Reflectivity (dB)	>55				
PDL (dB)	<0.2				
Operating Temperature (deg C)	0 to 70				
Storage Temperature (deg C)	-20 to +85				
Package Size (mm): x - y - z	36 x 18 x 6				