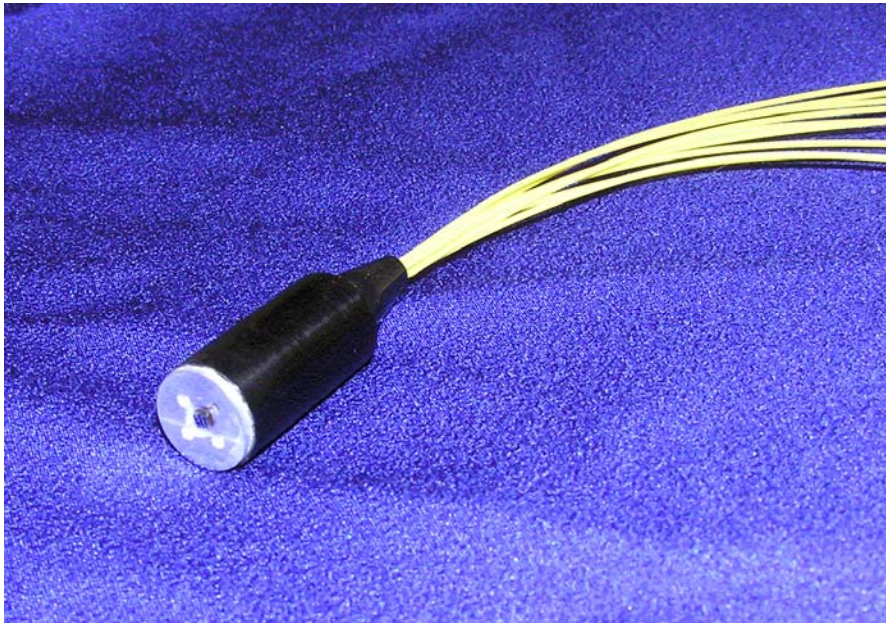




# ***Arrayed Fiber Optics***

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## **2D and Linear Fiber Arrays**



### **Description**

Arrayed Fiber Optics' Fiber Arrays provide a means to couple fibers to lens arrays, arrays of active components, and other optical devices. They provide precise, compact fiber positioning, thermal stability, and flexibility of fiber type and array configurations, including both 2-dimensional (2D) and linear arrays.

### **Advantages**

- Low cost
- Extremely small size and high density
- 2-dimensional or linear array configurations
- Extremely precise positioning accuracy
- High reliability
- Strain relief packaging

## Applications

Fiber Arrays may be used anywhere a fiber interface is desired. Typical applications include coupling to array devices, such as microlens arrays, arrays of active components, optical cross-connect switches, etc.

## Specifications

Parameter	Specifications*	Units
Array Configuration	1x4 to 16x16	Channels
Angle Polish	0 – 10, $\pm 0.3$	Degrees
Horizontal Core-Core Positional Accuracy (non-accumulative)	$< \pm 0.6$	$\mu\text{m}$
Vertical Core Positional Accuracy	$< \pm 0.6$	$\mu\text{m}$
Array pitch	$\geq 250$	$\mu\text{m}$
Variable pitch	Yes	
Substrate	Silicon	
Fiber Type	Single-mode, Multimode, specialty	
Connectors	Optional	Variety of connector types
Operating Temp.	-5 to 70	$^{\circ}\text{C}$

\* *Contact Arrayed Fiberoptics for your specific requirements  
All specifications are preliminary and subject to change without notice.*

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