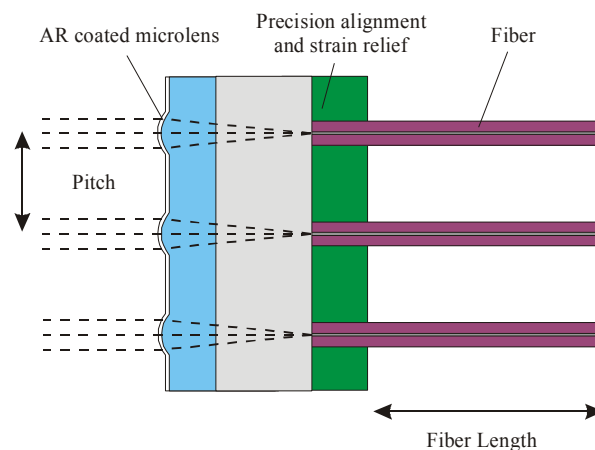
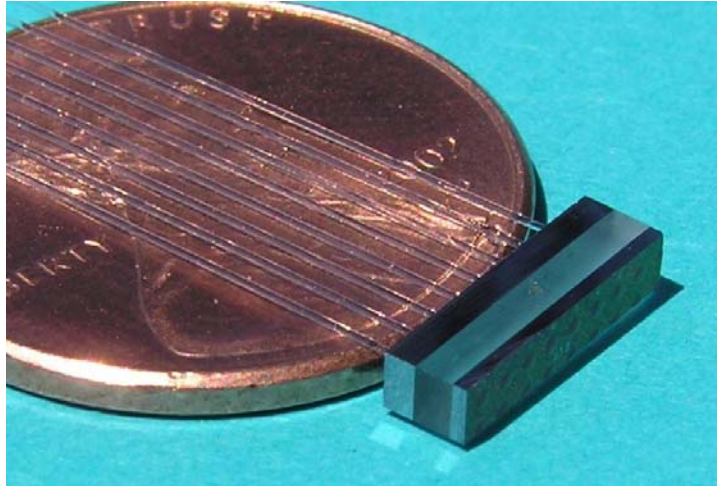




Arrayed Fiberoptics

Collimator Array for Single-mode Optical Fiber (Preliminary)



Advantages

- High Performance – Exceptional beam quality, low insertion loss, excellent pointing accuracy
- Low cost
- Extremely small size and high density
- Linear or 2-dimensional array configurations
- Easy incorporation into hermetic packaging
- High reliability
- Strain relief packaging

Applications

Fiber collimator arrays may be used for collimation of light in DWDM, fiberoptic switches, attenuators, optical isolators, etc.

Specifications

Parameter	Specifications*		Units
Beam Diameter ($1/e^2$)	100	200	μm
Working Distance	10	40	mm
Array Configuration	1x4 to 64x64		channels
Pointing accuracy	≤ 0.05		degrees
Insertion loss	≤ 0.5		dB
PDL	< 0.1		dB
Array pitch	≥ 150		μm
Max power	200		mW
Wavelength	1310, 1550, others		nm
Return loss	> 40		dB
Crosstalk	< -60		dB
Operating Temp.	-5 to 70		$^{\circ}\text{C}$

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

Ordering Information

Ordering Code: Collimator-array_ λ _P_WD_H_N_AR(λ_1 - λ_2)_FT/L/CT

Key:

λ – center wavelength (nm)

P – pitch (mm)

WD – working distance (mm)

H – number of rows in array

N – number of lenses per row of array

AR(λ_1 - λ_2) – antireflective coating, if any, with wavelength range (nm)

FT – fiber type: SM – single-mode MM—multimode PM – polarization maintaining

L – length of fiber (m)

CT – connector type (NONE, FC/PC, LC, MPO, MT, MTPTM, MT-RJ, MU, SC, SMA, ST)

Example: Collimator-array_1550_1.0_10_2_8_AR(1520-1580)_SM/1/NONE

Arrayed Fiberoptics Corporation
3850 North First Street, San Jose, CA 95134 USA
www.arrayedfiberoptics.com
T 408.435.9800 F 408.228.8772