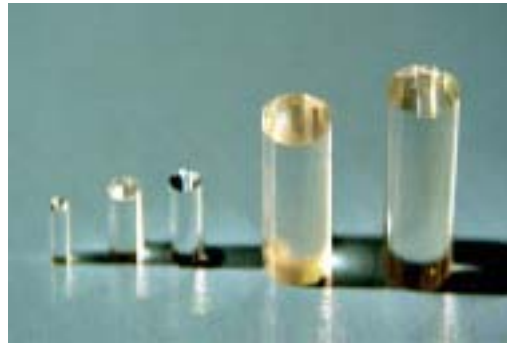




Gradient Index (GRIN) Micro Lens



Features

- Low Insertion Loss
- Low Price
- Drop-in replacement for SELFOC Lens and C-lens

Applications

- Optical Isolators
- Optical Switches
- Collimators
- Coupling
- WDM Devices

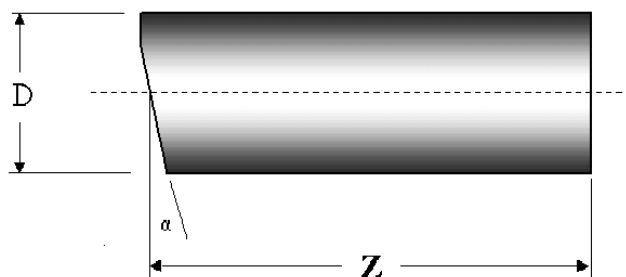
Specifications

Grade	Premium	A Grade
Insertion Loss(at 1550nm)(dB)	<0.15	<0.20
Polarization Preservation	0.99	
Pitch(P)	0.5	
Material	Proprietary GRIN optical glass material	
Lens Length(Z) Tolerance	± 2.5%	
Lens Diameter Tolerance	+0.005/-0.010mm	
Thermal Expansion Coefficient	10 x 10 ⁻⁶ /°C	
Operation Temperature(°C)	200	
Surface Quality	No defects, scratches greater than 0.03mm, no more than 3 defects or scratches from 0.01mm to 0.03mm. No chips within 90% of the lens diameter.	
Young's Modulus	6,000 ~ 8,000 Kg/mm ²	

Ordering Information

ALC	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
	Diameter	Pitch	Wavelength	Coating	Angle
	10=1.0mm 18=1.8mm	230=0.23P 250=0.25P 245=0.245P	1310=1310nm 1550=1550nm	AR2=Both Sides AR Coated. AR1=One Side AR Coated. NC0=Not Coated.	8 = 8° 6 = 6°

Dimensions



- D : Diameter of the lens.
- α : The angle of one end of the lens.
- Z : Lens length.

