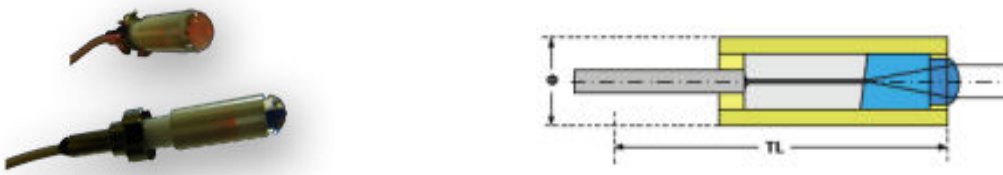


## Singlemode Fiber Collimators

Singlemode fiber collimator lenses are made from high index glass lenses to ensure low aberration.

Standard collimators are optimized for telecom applications, but can be adjusted to other wavelengths/applications. These collimators use high-index plano-convex spherical lenses to collimate light from singlemode fibers. The angled flat side of these lenses assures low back reflection. The curved side, due to high refractive index material, provides remarkable imaging capabilities. Those can be used for fiber-optic switches, DWDMs, fiber-optic attenuators, optical isolators and other applications.

NOTE : There is also an option to use aspheric lenses for collimators. Typically, aspheric lens give better beam quality and lower insertion loss.

WEBCODE:	D105-xxx	
DRAWING		
		
SPECIFICATIONS	SYMBOL	VALUE
Optimized Wavelength	$\lambda_0$	632 nm - 1064 nm - 1550 nm
Effective Focal Length	EFL	2.0 to 5.0 mm
Outer Diameter	$\Phi$	3.2 mm
Collimator Length	L	15 mm
Working Distance		20 mm
Insertion Loss	I.L.	< 0.5 dB
Back-reflection	B.R.	> 30 dB
Fiber Type		SMF28
Fiber Length		typically 1 meter
Fiber Jacket		900 $\mu$ m tight or loos jacket 3 mm protective jacket
Fiber Connector		FC/APC
AR coating		R > 0.5% for each lens surface optionnal AR coating on fiber endface
Storage Temperature		-20 to 85°C
Operating Temperature		0 to 40°C
NOTE		All specifications are customized on request