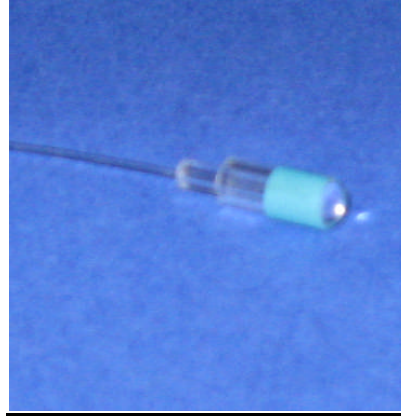
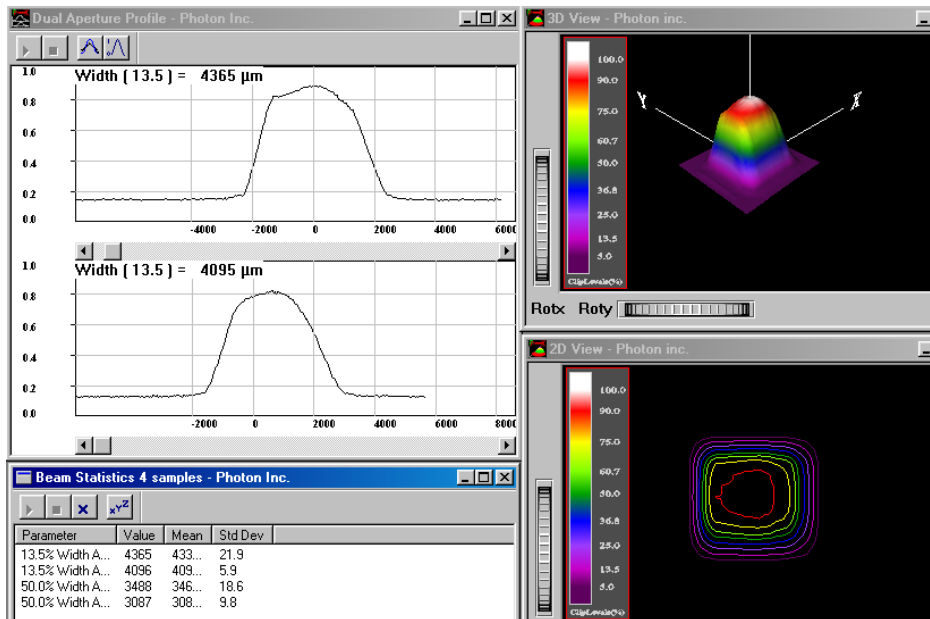


Optical fiber collimator with glass body: Model 015-TU2**Testing report**

Part Number:	Model 015-TU2		
Unit Number:	01	02	03
Package type	5, glass	5, glass	5, glass
Connectors compatibility	-	-	-
Dimensions, mm	~22 x5.7	~20x5.7	~22x5.7
Lens material	BK7	BK7	BK7
Test power, dBm	+10dBm	+10dBm	+10dBm
Max power, dBm	~30	~30	~30
Test wavelength	~637 nm		
Fiber/connector	980/1000 POF bare fiber; NA~0.5, flat polished		
Back-reflected signal, dB	N/A	N/A	N/A
Beam FWHM (@5 mm collimation)*, mm	~3.1	~3.1	3.1
Test temperature	21C	21C	21C

***Measurement conditions:** LED source @ ~637 nm is coupled to multi-mode fiber patch-cord. Collimator has been attached to the end of patch-cord's FC/PC fiber connector. Collimator has been adjusted to quasi-collimation (sliding along connector ferrule) at set distances between collimator output and beam profiler (~5 mm for collimated beam measurements).

Focusing mode: beam profile measurements at distance of ~5 mm from the lens. Multi-mode POF 980/1000 um fiber, device was adjusted to collimation. Typical beam profile:



Unit has been tested using following equipment:

Light sources: LE-1R; (WT&T)
Beam profiler: Beam Pro & Beam Scan (Photon Inc)
Temperature control: 1200 (Omega)
T&M/Quality control: Operator 3