



## AC-212 T(610-690) Aspherical Collimator

### Description:

NA=0.30; EFL=10.9mm; Highly corrected, hybrid Polymer on Glass lens.

### Application

The Aspherical Collimator is designed to collimate the divergent beam from a semiconductor laser. The lens corrects for the laser window present in the TO-can.

### Options

Other AR-coats are available for visible and Infrared light bands from 400nm up to 2µm

### Optical Specification

Parameter	Symbol	Value	Unit
Design Wavelength		670	nm
Numerical Aperture	NA	0.3	
Effective Focal length	EFL	10.9	mm
Back Focal Length through 0.25mm BK7	BFL	9.7	mm
Max on-axis RMS Wave Front Aberration	RMS	0.02	λ
Field radius at which RMS increases 0.04λ	FR	0.1	mm
Chromatic shift of back focus:	dEFL/dλ	0.7	µm/mm
Transmittance (AR coat at both sides)	T	97	%

### Mechanical Specification

Parameter	Symbol	Value	Unit
Clear Aperture	CA	6.6	mm
Lens Diameter		7.2	mm
Edge Thickness		1.36	mm
Center Thickness		2.2	mm
Max eccentricity of asphere to ref A		0.025	mm
Weight		0.3	g
Operating Temperature		-30 to +85	°C
Storage Temperature		-40 to +85	°C

## PRODUCT DIMENSIONS

