

# 50.0mm efl spherical singlet PCX

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URL: <http://www.edmundoptics.com.sg/optics/optical-lenses/plano-convex-pcx-spherical-singlet-lenses/mgf2-coated-plano-convex-pcx-lenses/32478/>

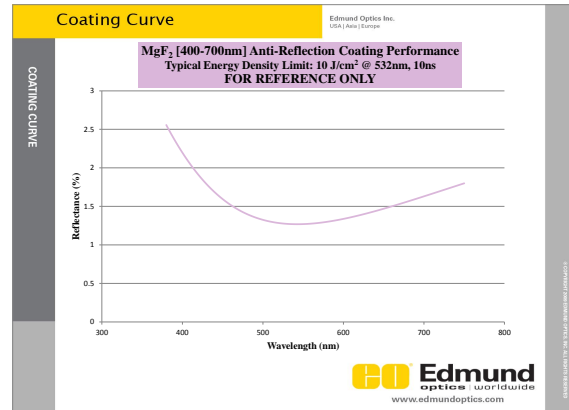
## 1 Brief description

PCX lens that are spherical singlets. 25mm diameter, fits in Thorlabs SM1 tubes. 50mm EFL at 587.6 nm

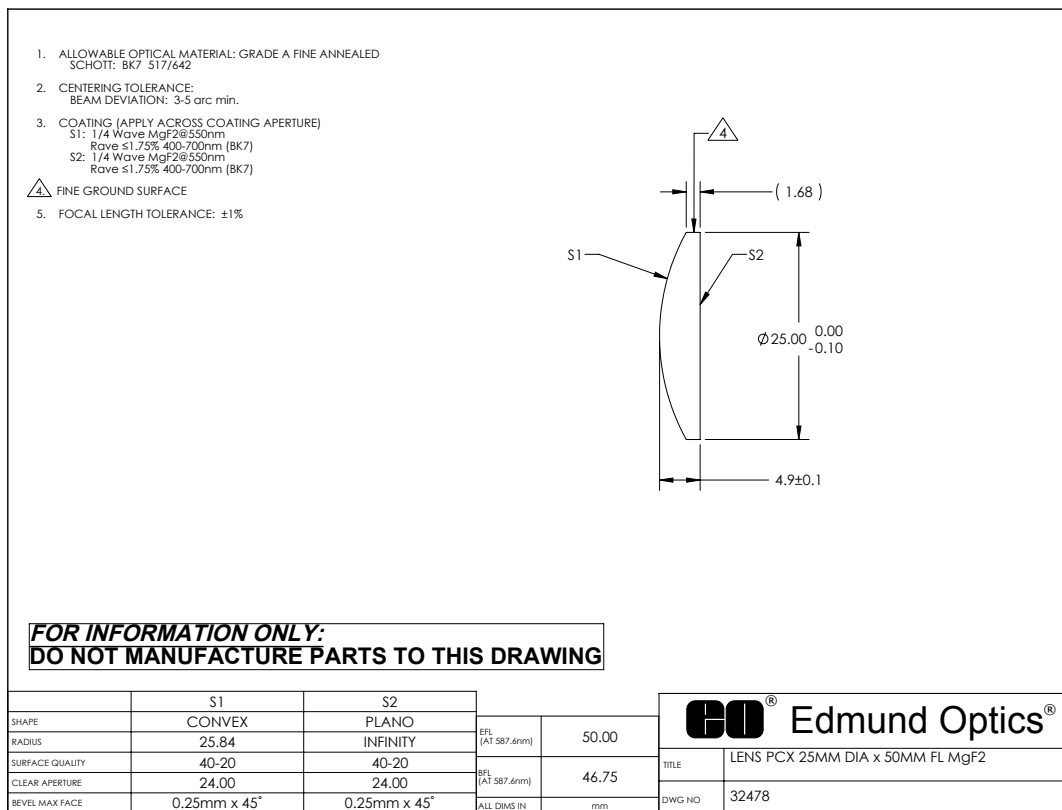
## 3 Data plots

## 2 Technical Specifications

Effective focal length	50.0mm
Back focal length	46.75mm
Wavelength region	VIS
Design wavelength	587.6nm
Substrate	N-BK7
Coating	MgF <sub>2</sub>
Coating Specification	$R_{avg} \leq 1.75\%$ nm
Numerical Aperture	0.25



Reflectance plot of MgF<sub>2</sub> AR coating



CAD drawing