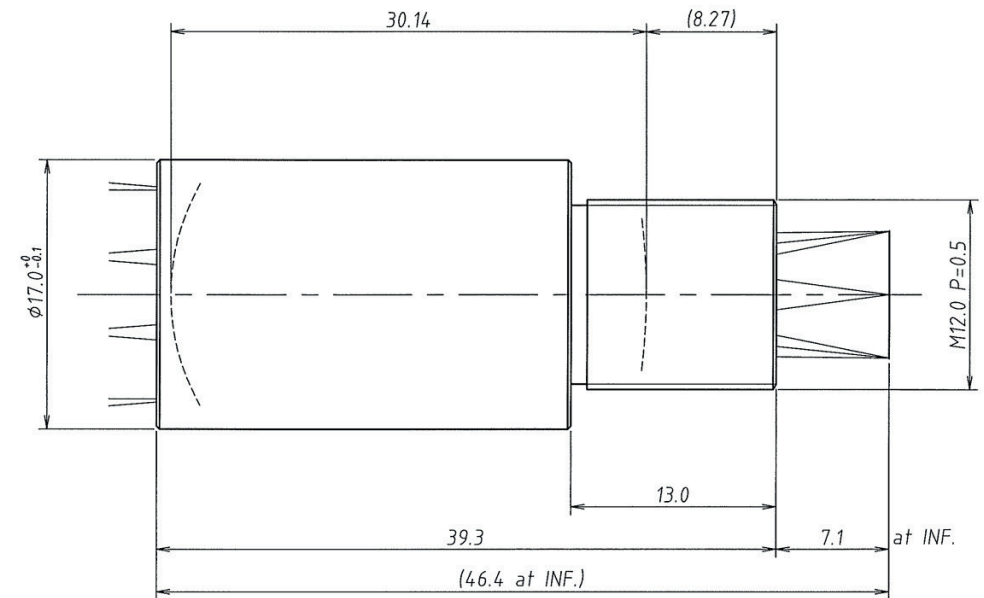




LM500D-NCM



LENS SPECIFICATION

Focal length	50.00mm $\pm 5\%$
Back focal length	15.36mm $\pm 5\%$
Mechanical back	7.10mm ± 0.5 mm at INF
Aperture ratio	F/3.8 $\pm 5\%$
Image size	2/3" CCD (6.6mmx8.8mm)
Magnification	-
Distortion	-0.08% (W.D.=200mm)

RESOLUTION

Centre	100LP/mm
Corner	80LP/mm

PUPIL POSITIONS FROM LENS SURFACE

Entrance pupil	0.00mm (Front lens)
Exit pupil	-57.48mm (Image plane)

PRINCIPAL POINTS FROM LENS SURFACE

Object space	6.50mm (Front lens)
Image space	-50.00mm (Image plane)

ANGLE OF VIEW INF.

Vertical	7.5°
Horizontal	10.0°
Diagonal	12.4°

COATING ($\lambda=546$ nm)

All surfaces are anti-reflection coated.
MgF2 single coated.

Angle of view

Image to object distance = infinity	1/3"	1/2"	1/2.8"
	(3.6x4.8mm)	(4.28x5.7mm)	(4.7x6.2mm)
Vertical:	4.1°	5.5°	4.44°
Horizontal:	5.5°	7.3°	5.90°
Diagonal:	6.8°	9.1°	7.37°