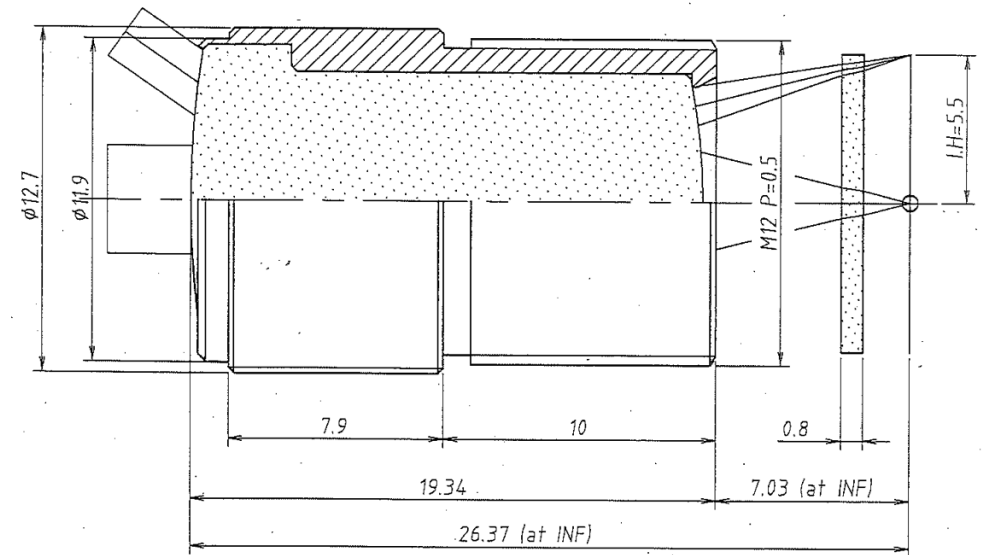




LM080-JCM



LENS SPECIFICATION

Focal length	8.04mm $\pm 5\%$
Back focal length	7.25mm $\pm 5\%$
Mechanical back	7.03mm $\pm 5\%$
Aperture ratio	F/2.0 $\pm 5\%$
Image size	2/3" (6.6mmx8.8mm)
Magnification	-
Distortion	-2.2% (max)

RESOLUTION

Centre	120LP/mm
Corner	40LP/mm

PUPIL POSITIONS FROM LENS SURFACE

Entrance pupil	6.08mm (Front lens)
Exit pupil	-18.81mm (Image plane)

PRINCIPAL POINTS FROM LENS SURFACE

Object space	10.69mm (Front lens)
Image space	-8.04mm (Image plane)

ANGLE OF VIEW INF.

Vertical	45.1°
Horizontal	58.4°
Diagonal	69.8°

COATING ($\lambda=546\text{nm}$)

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

Angle of view

Image to object distance = infinity		
	1/2"	1/3"
	(4.8x6.4mm)	(3.6x4.8mm)
Vertical:	33.5°	25.3°
Horizontal:	43.9°	33.5°
Diagonal:	53.7°	41.4°
OPT. Distortion:	-1.9%	-1.2%
Rel. Illumination:	76%	87%