

MML2-HR110D / HR110

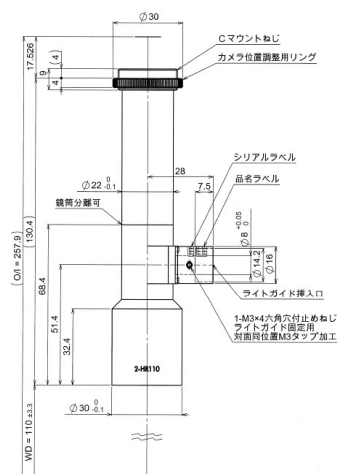
MML-High Resolution

Drawing No. A03129/A03454

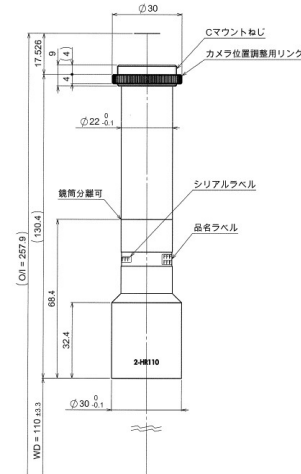


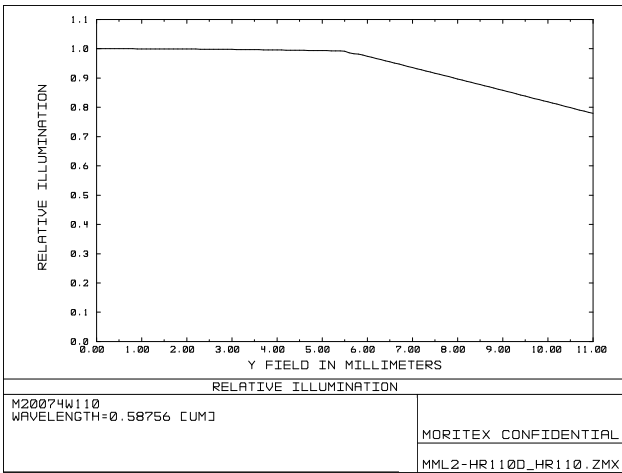
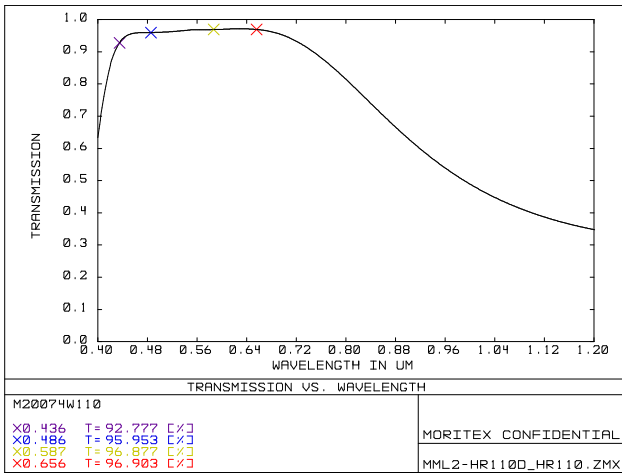
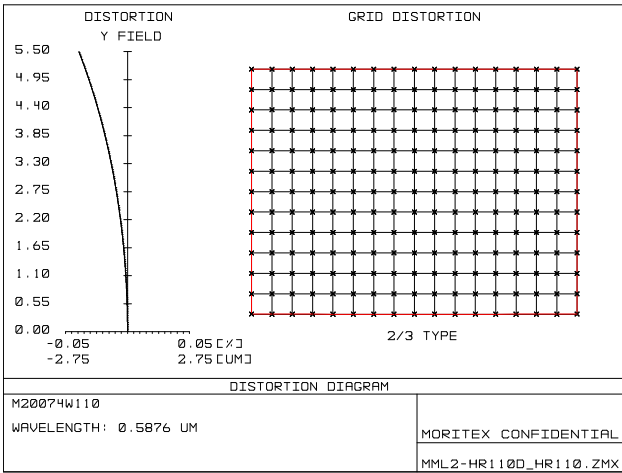
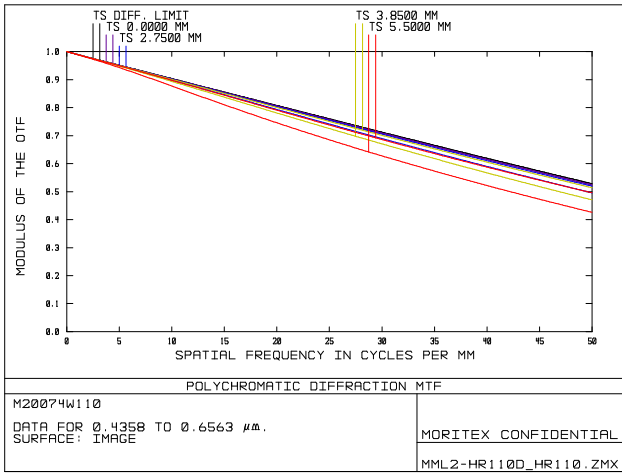
Lens Type	Fixed Magnification Object Side Telecentric Lens
Magnification	2.00
Focal Length (mm)	43.30
Effective Fno	13.50
Numerical Aperture	0.074
Working/Object Distance (mm)	110.0/113.0
Object to Image Distance (mm)	257.92
Mechanical Tube Length (mm)	130.40
Lens Back (mm)	81.82
DOF @PCoC $\phi 0.04\text{mm}$ (mm)	0.270
Resolution @ $\lambda=520\text{nm}$ (μm)	4.5
Front/Rear Principal Position (mm)	-48.03/-48.18
Entrance/Exit Pupil Position (mm)	14,189,487.79/-4.86
Entrance/Exit Pupil Diameter (mm)	2,073,272.96/6.33
Telecentricity (deg.)	0.001(1/3Inch) 0.002(1/2Inch) 0.002(1/1.8Inch) 0.004(2/3Inch)
Optical Distortion (%)	-0.011(1/3Inch) -0.019(1/2Inch) -0.025(1/1.8Inch) -0.039(2/3Inch)
Relative Illumination (%)	99.77(1/3Inch) 99.58(1/2Inch) 99.47(1/1.8Inch) 99.22(2/3Inch)
Weight (g)	110.0/100.0
Mount	C Mount
Image Circle (mm)	$\phi 11$
Largest Compatible Camera	2/3 Inch

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The content is subject to change.

MORITEX Corporation

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