

MML1-HR110D / HR110

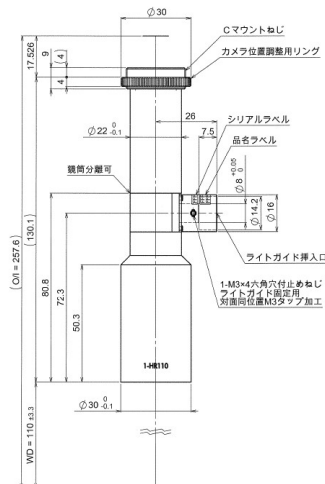
MML-High Resolution

Drawing No. A03128/A03453

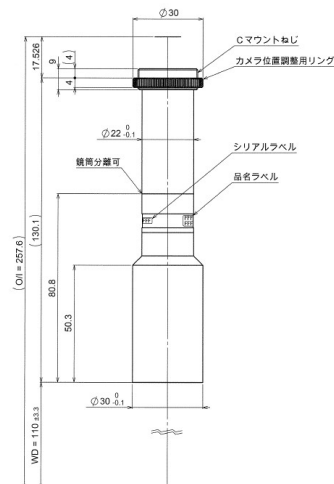


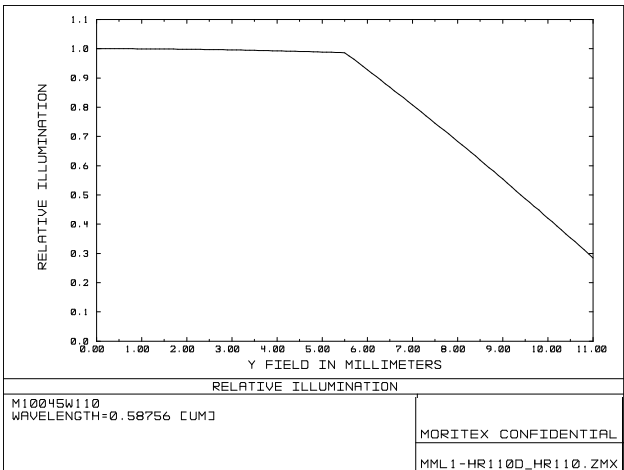
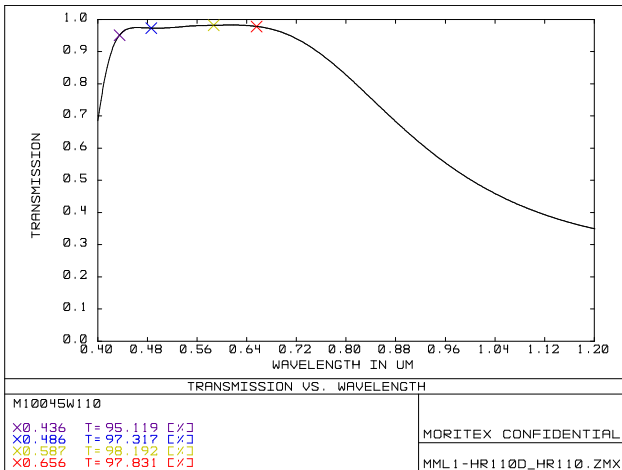
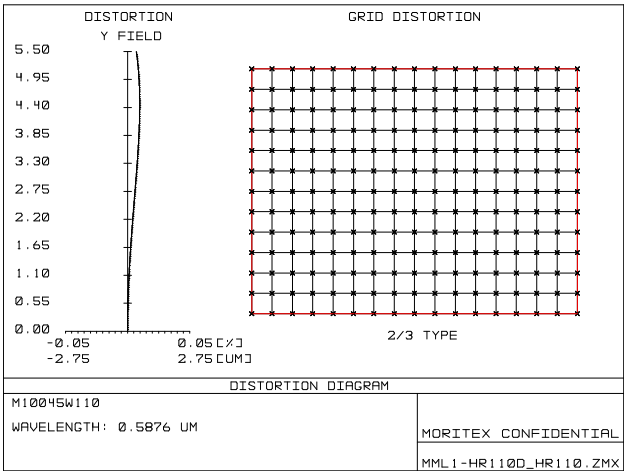
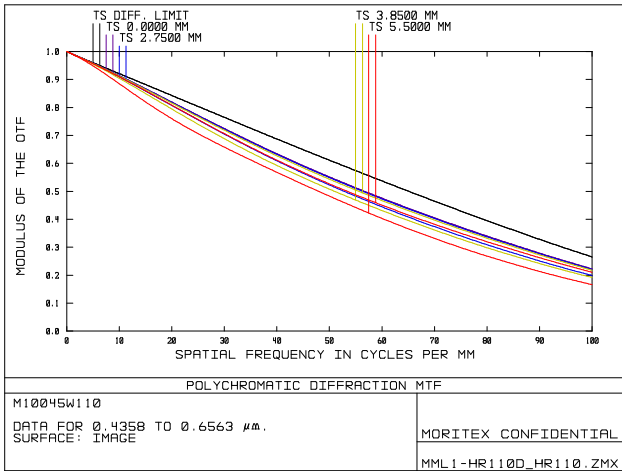
Lens Type	Fixed Magnification Object Side Telecentric Lens
Magnification	1.00
Focal Length (mm)	69.10
Effective Fno	11.00
Numerical Aperture	0.045
Working/Object Distance (mm)	110.0/113.0
Object to Image Distance (mm)	257.62
Mechanical Tube Length (mm)	130.10
Lens Back (mm)	60.43
DOF @PCoC $\phi 0.04\text{mm}$ (mm)	0.880
Resolution @ $\lambda=520\text{nm}$ (μm)	7.4
Front/Rear Principal Position (mm)	25.15/-77.74
Entrance/Exit Pupil Position (mm)	58,703,594.32/-8.67
Entrance/Exit Pupil Diameter (mm)	5,324,393.35/6.26
Telecentricity (deg.)	0.001(1/3Inch) 0.003(1/2Inch) 0.004(1/1.8Inch) 0.008(2/3Inch)
Optical Distortion (%)	0.007(1/3Inch) 0.010(1/2Inch) 0.011(1/1.8Inch) 0.011(2/3Inch)
Relative Illumination (%)	99.59(1/3Inch) 99.27(1/2Inch) 99.08(1/1.8Inch) 98.63(2/3Inch)
Weight (g)	120.0/116.0
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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