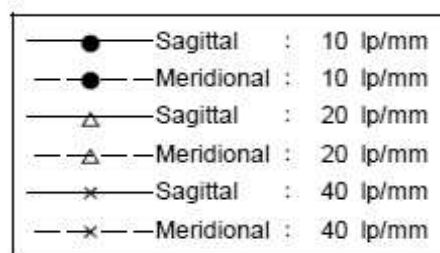
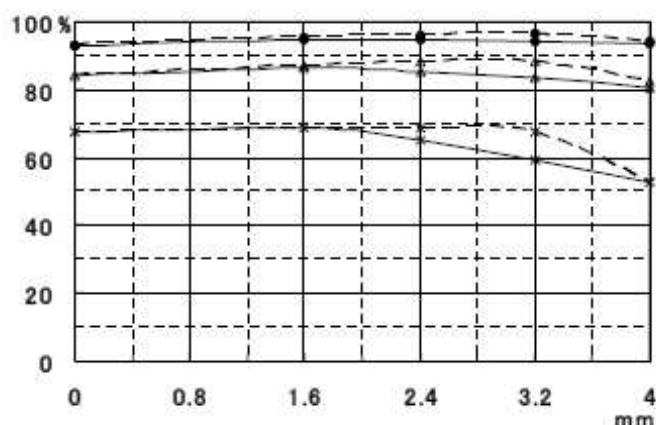


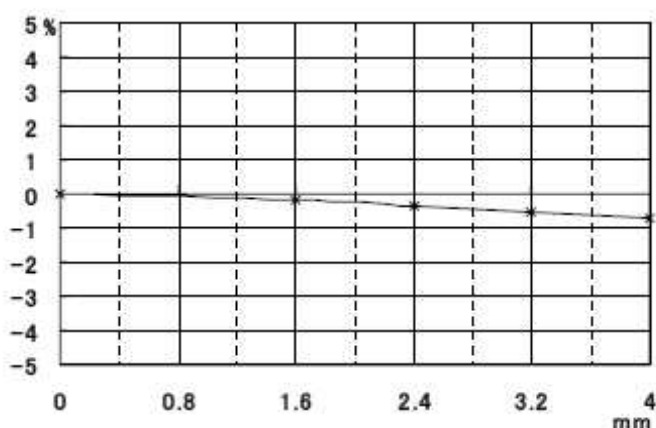
●Modulation Transfer Function (MTF)

W. D. = 250mm

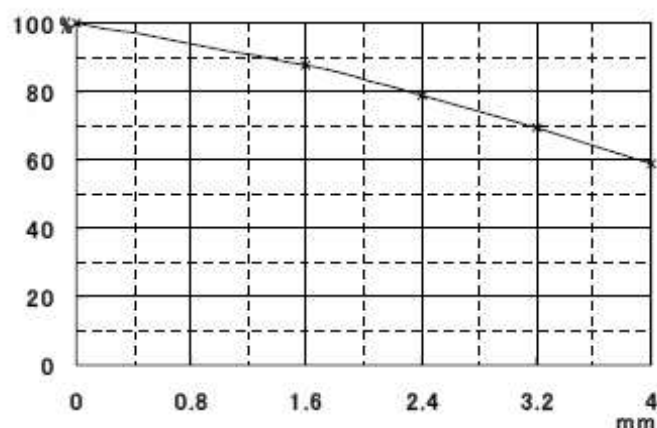


4D-0506T0075

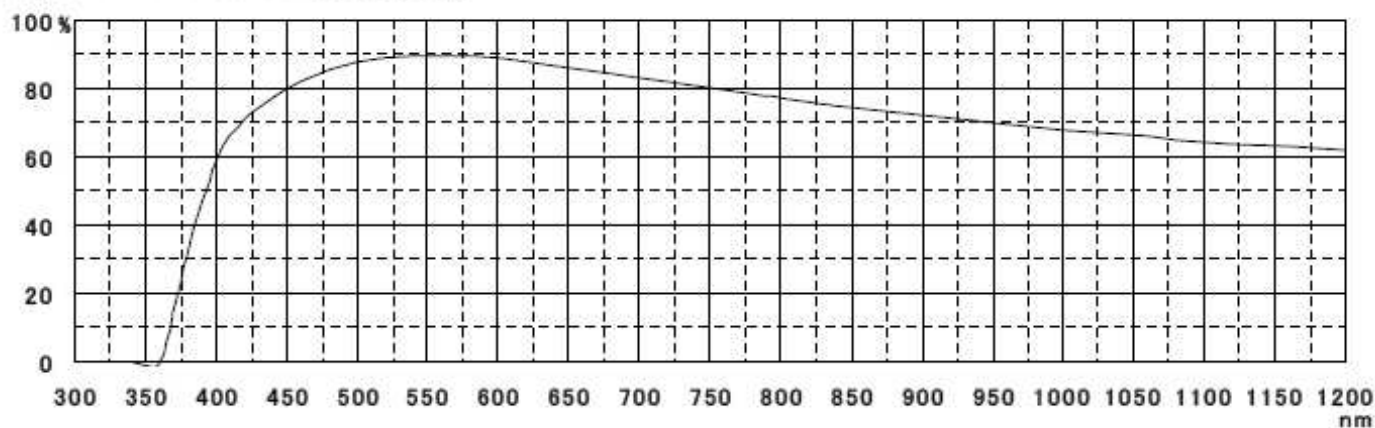
●Distortion (歪曲収差)



●Vignetting (周辺光量)



●Spectral Transmittance (分光透過率)



●Resolving Power (解像力)

y	0	2.4	3.2	4		
Rr(S)	100	125	100	80		
Rt(M)		80	80	50		

●Entrance Pupil Position (入射瞳位置)

-25.77 [mm] *

●Exit Pupil Position (射出瞳位置)

-34.53 [mm] *

●1st Principal Point (第一主点)

-17.81 [mm] *

●2nd Principal Point (第二主点)

-12.44 [mm] * (*: From Image Plane)

SPEC. INFO	FL-HC1214-2M RC SPEC.	3161232-S001-RC-B13
		Oct. 01. 2012

1. Model FL-HC1214-2M
2. Application For 1/2 Format Camera
3. Specification

3-1. Physical (As per the attached drawing)

- (1) Dimensions ϕ 29.5mm $\times$ 28.5 mm
- (2) Weight 55g
- (3) Mount C-Mount (1 – 32 UN – 2A)
- (4) Filter Screw Size ϕ 27 mm , P = 0. 5 mm

3-2. Optical

- (1) Focal Length 12 mm $\pm$ 5%
- (2) Max. Aperture Ratio 1: 1.4
- (3) Iris Range F / 1.4 to F / 16
- (4) Angle of View
 Diagonal 35.69°
 Horizontal 28.91°
 Vertical 21.88°
- (5) Picture format 6.4 mm $\times$ 4.8 mm
- (6) Focusing Range Inf. to 0.25m
- (7) Back Focal Length 11.50 mm (in air)
- (8) Flange Back Length 17.526 mm $\pm$ 0.05 mm (in air)

3-3. Mechanical

- (1) Focusing Mechanism Straight Helicoid
 Rotation Angle 154.3°
 Rotation Torque 0.2N·cm to 7.0 N·cm
 Focus Ring can be fixed at any positions by 3 fixing screws (A) or 1 thumb screw (refer to external view)
- (2) Iris Mechanism Non-click, Close-down
 Rotation Angle 85.2°
 Rotation Torque 0.5N·cm to 7.0 N·cm
 Iris Ring can be fixed at any positions by 3 fixing screws (B) or 1 thumb screw (refer to external view)

3-4. Vibration & Shock Test Standard

(1) Vibration Conditions

Wave	Sine Wave
Acceleration	1.96 m/s ² to 59.78 m/s ²
Cycle Range	10 Hz to 55 Hz
Cycle Period	3 Minutes
Duration of Vibration	120 Minutes Respectively in Three Dimensional Directions

(2) Shock Conditions

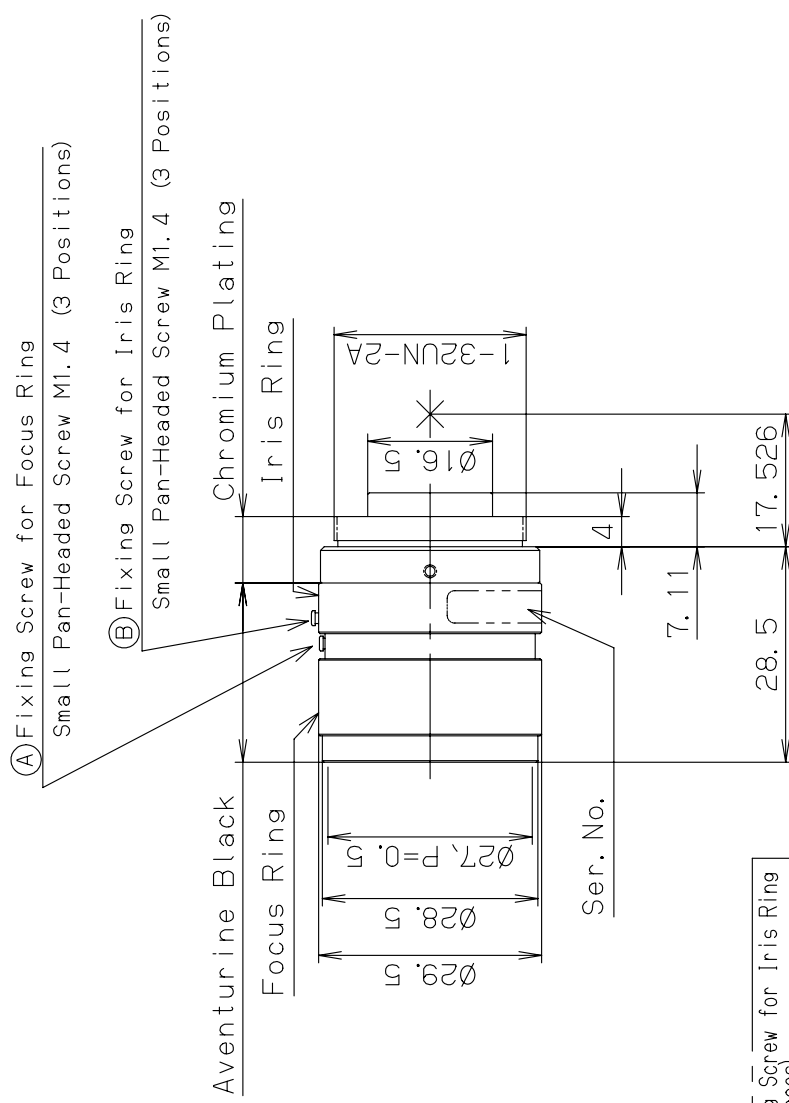
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s ²
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

SPEC. INFO	FL-HC1214-2M RC SPEC.	3161232-S001-RC-B23
		Oct. 01. 2012

3-5. Environmental Temperature Range -20°C to $+50^{\circ}\text{C}$

4. Accessories

(1) Front Lens Cap	1 piece	
(2) Rear Lens Cap	1 piece	
(3) Fixing Screw ① for Focus Ring	3 pieces	
(4) Fixing Screw ② for Iris Ring	3 pieces	
(5) Thumbscrew for Focus Ring	1 pieces	(for Optional Usage)
(6) Thumbscrew for Iris Ring	1 pieces	(for Optional Usage)
(7) Packing Box	1 piece	



④ Fixing Screw for Focus Ring (3 pieces) M1.4 3	⑤ Fixing Screw for Iris Ring (3 pieces) M1.4 2.2
Thumb Screw for Focus Ring Optional Usage (1 piece) M1.4 (4) 4 8 (4) 1.4	Thumb Screw for Iris Ring Optional Usage (1 piece) M1.4 (4) 2.3 6.3 (4) 1.4



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