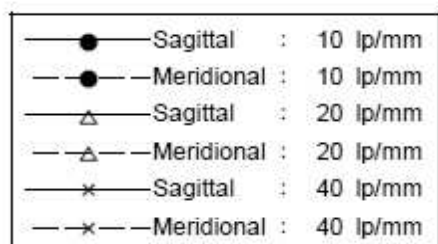
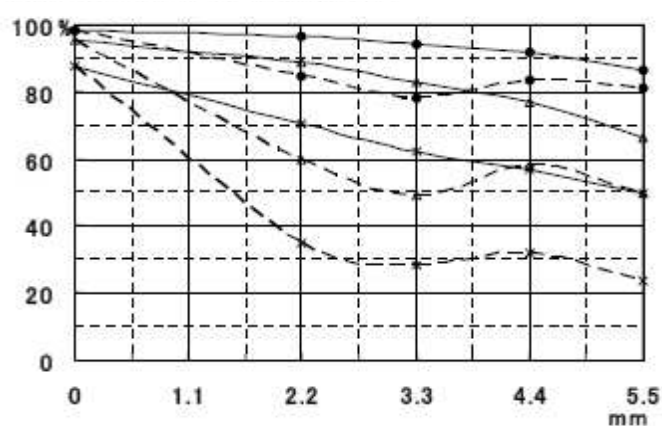
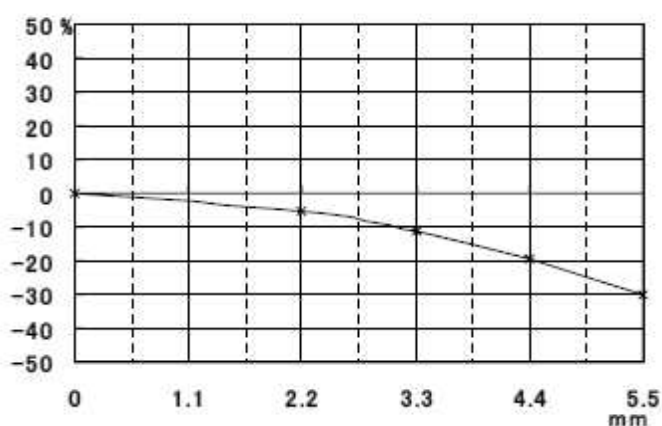


●Modulation Transfer Function (MTF)

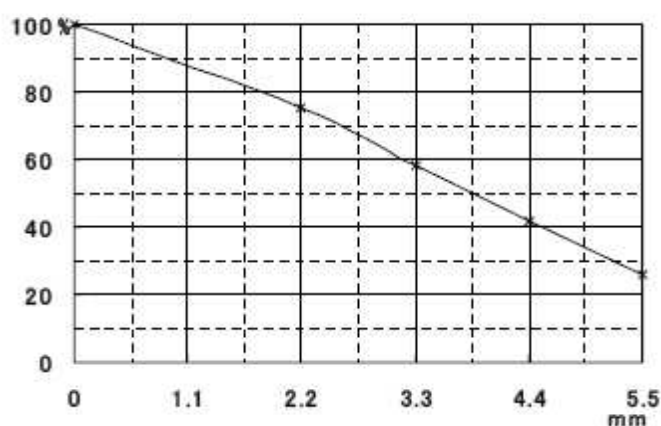


4D-0367T0300

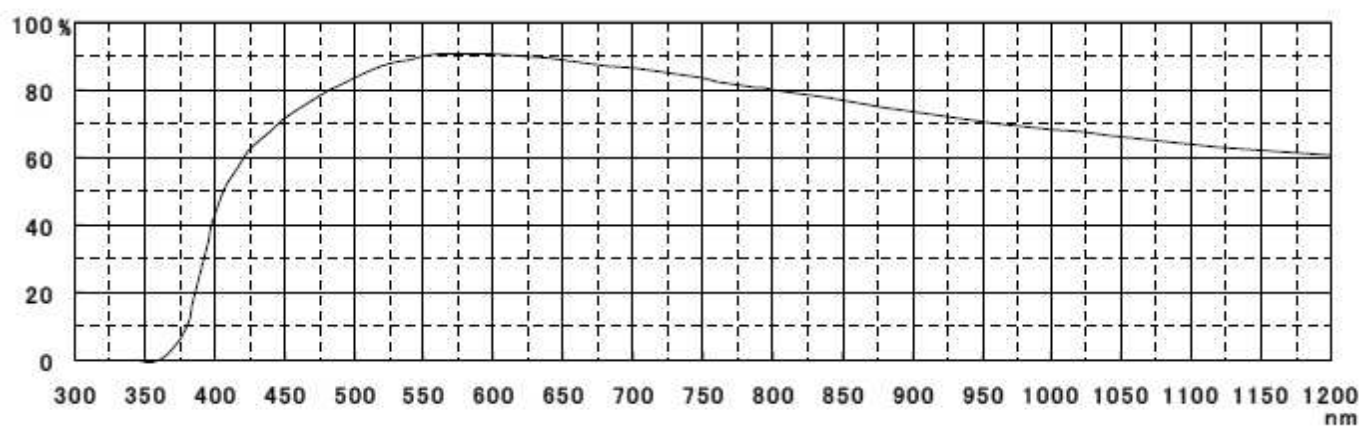
●Distortion (歪曲収差)



●Vignetting (周辺光量)



●Spectral Transmittance (分光透過率)



●Resolving Power (解像力)

y	0	3.3	4.4	5.5		
Rr(S)	160	80	80	80		
Rt(M)		32	40	25		

●Entrance Pupil Position (入射瞳位置)

-41.23 [mm] *

●Exit Pupil Position (射出瞳位置)

-46.22 [mm] *

●1st Principal Point (第一主点)

-36.85 [mm] *

●2nd Principal Point (第二主点)

-4.90 [mm] * (* : From Image Plane)

SPEC. INFO	FL-CC0418DX-VG RC SPEC.	3130405-S001-RC-B13
		Sep. 27, 2012

1. Model FL-CC0418DX-VG
2. Application For 2/3 Format Camera
3. Specification

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

- (1) Dimensions $\phi 40.5 \text{ mm} \times 35.5 \text{ mm}$
- (2) Weight 105 g
- (3) Mount C-Mount (1 – 32 UN – 2A)

3-2. Optical

- (1) Focal Length 4.8 mm $\pm 5\%$
- (2) Max. Aperture Ratio 1: 1.8
- (3) Iris Range F / 1.8 to F / 16 to Close
- (4) Angle of View
 Diagonal 115.9°
 Horizontal 96.4°
 Vertical 74.5°
- (5) Picture format 8.8 mm $\times$ 6.6 mm
- (6) Focusing Range Inf. To 0.3 m
- (7) Back Focal Length 9.71 mm
- (8) Flange Back Length 17.526 mm $\pm$ 0.05 mm

3-3. Mechanical

- (1) Focusing Mechanism Fixed Focus
- (1) Iris Mechanism Non-click
 Rotation Angle 104°
 Rotation Torque 2.0 N·cm to 6.9 N·cm
 Iris Ring can be fixed at any positions by 3 fixing screws (A)
 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

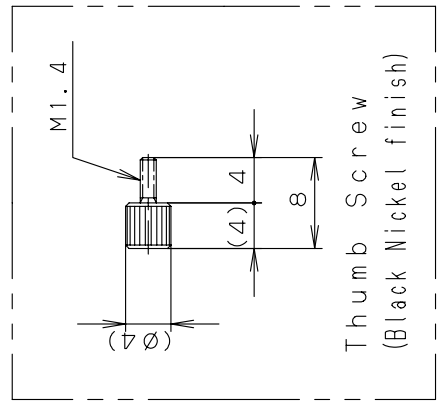
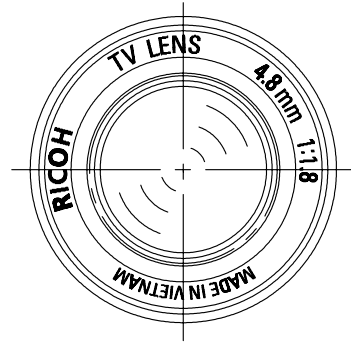
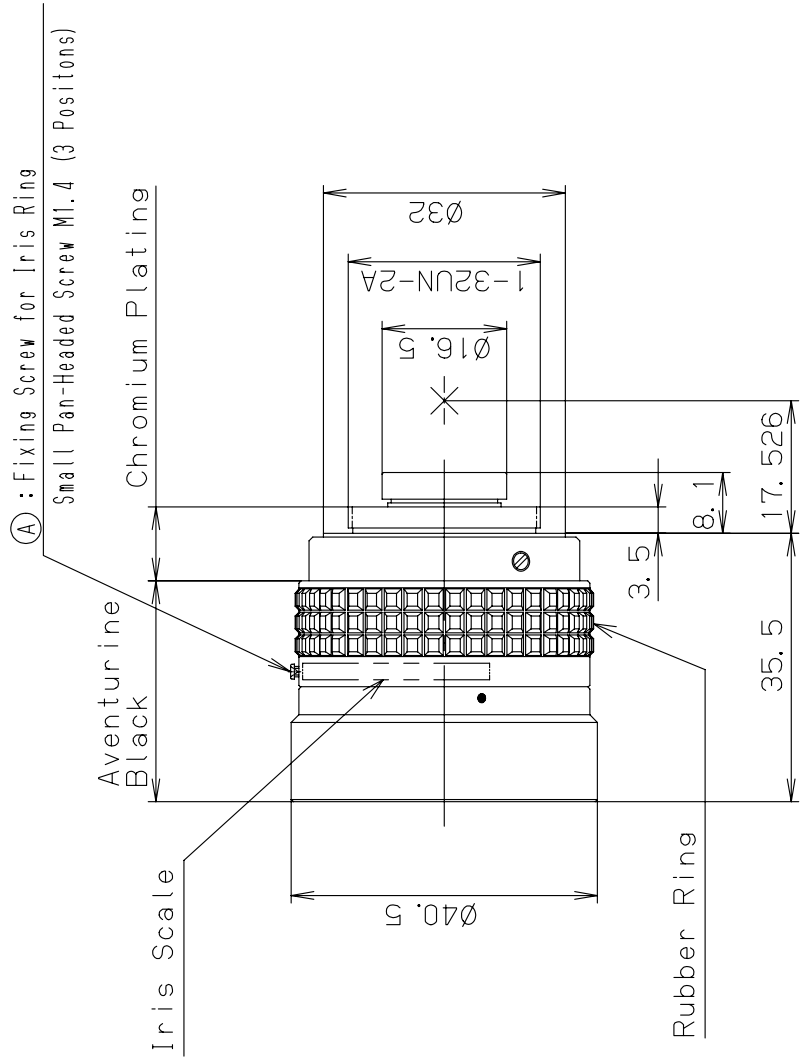
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s ²
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

SPEC. INFO	FL-CC0418DX-VG RC SPEC.	3130405-S001-RC-B23
		Sep. 27, 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 ④ for Iris Ring	3 pieces	
(4) Thumbscrew for Iris Ring	1 piece	(for Optional Usage)
(5) Packing Box	1 piece	



Iris Scale

C 16 11 8 5.6 4 2.8 2 1.8

SPEC. INFO		FL-CC0418DX-VG
3130405-S001-RC-B33		
Sep.28.2012		
RICOH		



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