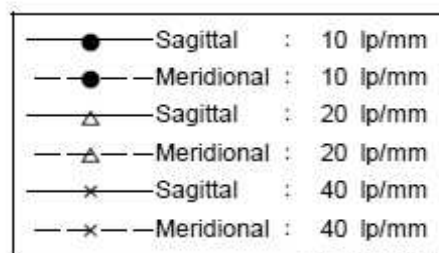
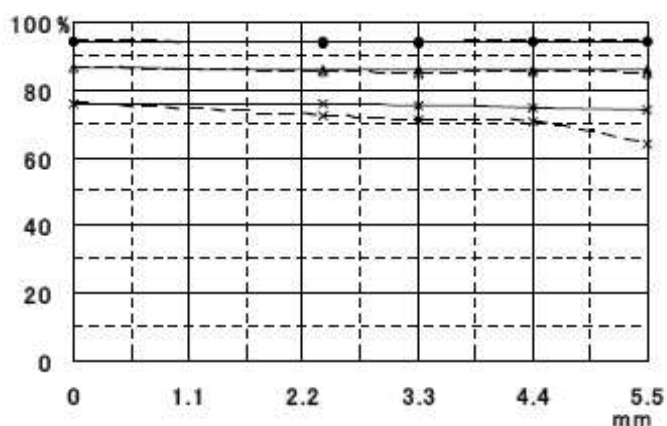


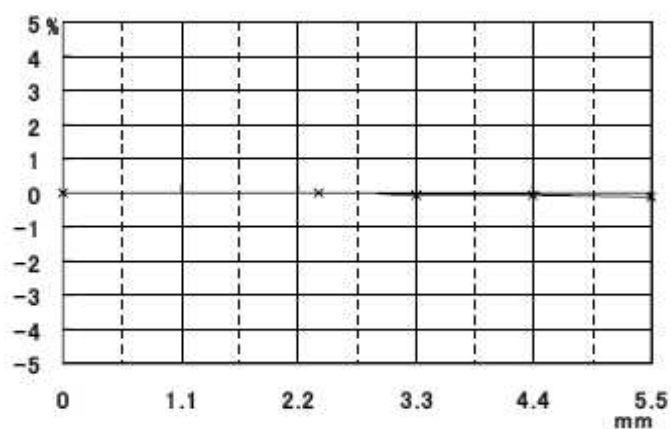
●Modulation Transfer Function (MTF)

W. D. = 250mm

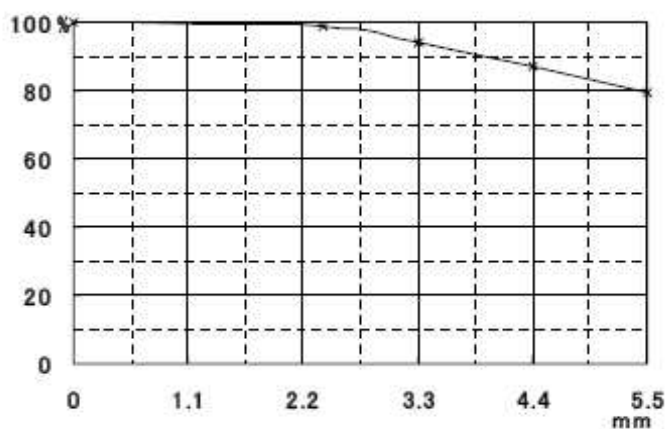


4D-0354T0075

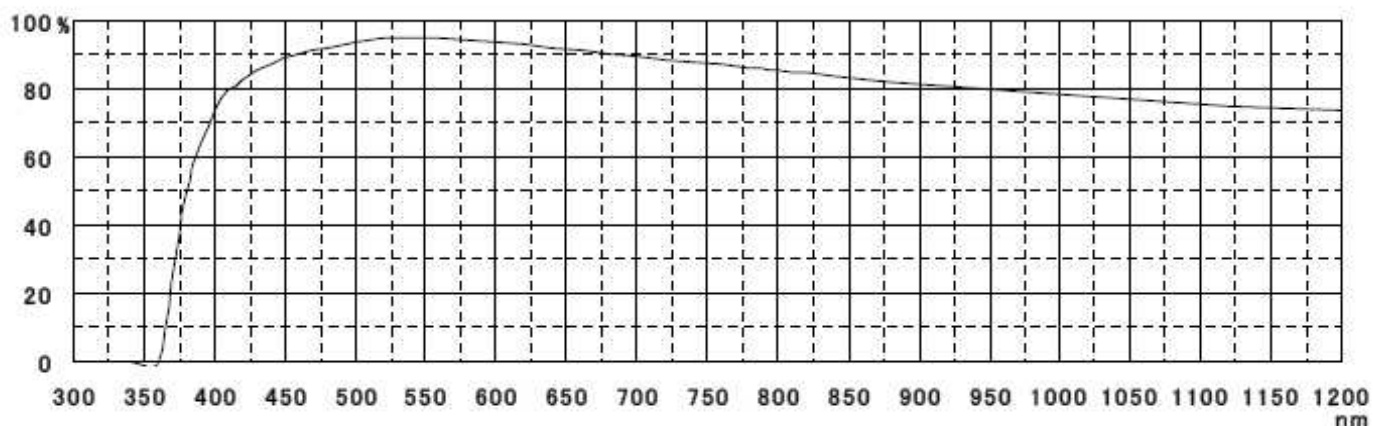
●Distortion (歪曲収差)



●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)	200	160	160	160		
Rt(M)		125	100	80		

●Entrance Pupil Position (入射瞳位置)

-3.21 [mm] *

●Exit Pupil Position (射出瞳位置)

-26.53 [mm] *

●1st Principal Point (第一主点)

-47.39 [mm] *

●2nd Principal Point (第二主点)

-49.98 [mm] * (* : From Image Plane)

SPEC. INFO	FL-CC5028-2M RC SPEC.	3135001-S001-RC-B13
		Oct. 04. 2012

1. Model FL-CC5028-2M

2. Application For 2/3 Format Camera

3. Specification

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

- | | |
|-----------------------|---------------------------------|
| (1) Dimensions | ϕ 29.5 mm $\times$ 34.0 mm |
| (2) Weight | 55 g |
| (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 | 50 mm $\pm$ 5% |
| (2) Max. Aperture Ratio | 1: 2.8 |
| (3) Iris Range | F / 2.8 to F / 22 |
| (4) Angle of View | Diagonal 12.53° |
| | Horizontal 10.05° |
| | Vertical 7.55° |
| (5) Picture format | 8.8 mm $\times$ 6.6 mm |
| (6) Focusing Range | Inf. to 0.9 m |
| (7) Back Focal Length | 21.03 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 148.2° |
| | 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 81.5° |
| | 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-CC5028-2M RC SPEC.	3135001-S001-RC-B23
		Oct. 04. 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	



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