FL-CC0814A-2M

f=8mm F1.4

				Date Drawn	Checked	Approved
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				Oct.10.2013	Drawn	
					Koguchi	
No.	Revisions	by	Date			

RICOH COMPANY, LTD.
Industrial Optical Systems Division

1. Model — FL-CC0814A-2M

2. Application — For 2/3 Format Camera

3. Specification

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

(1) Dimensions	ϕ 42.0 mm × 36.7 mm
(2) Weight	76 g
(3) Mount	C -Mount (1 – 32 UN – 2A)
(4) Filter Screw Size	ϕ 40.5 mm , P = 0. 5 mm

3-2. Optical

(1) Focal Length	8 mm ±5%	
(2) Max. Aperture Ratio	1: 1.4	
(3) Iris Range	F / 1.4 to F / 16	
(4) Angle of View	Diagonal	66.7°
	Horizontal	56.3°
	Vertical	43.9°
(5) Picture format	8.8 mm × 6.6 mm	
(6) Focusing Range	Inf. to 0.1 m	
(7) Back Focal Length	11.1 mm (in air)	
(8) Flange Back Length	17.526 mm ± 0.05 mm (in air)	

3-3. Mechanical

(1) Focusing Mechanism	Straight Helicoid	
	Rotation Angle	144°
	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	54°
	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/s² to 59.78 m/s²
Cycle Range	10 Hz to 55 Hz
Cycle Period	3 Minutes
Duration of Vibration	120 Minutes Respectively in Three Dimensional Directions

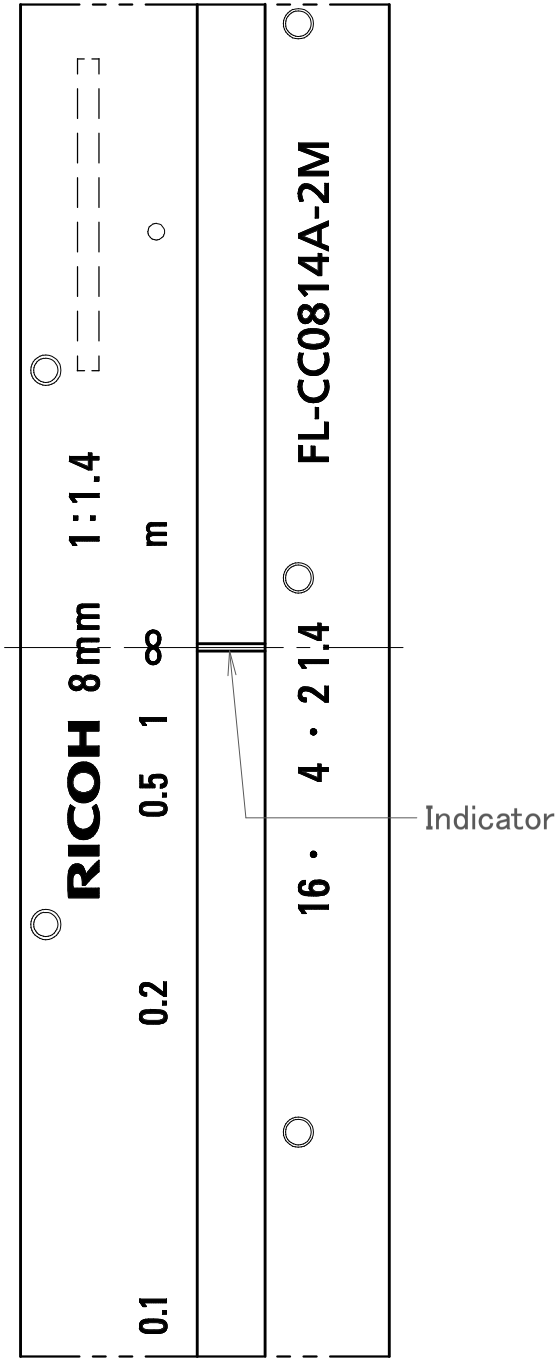
(2) Shock Conditions

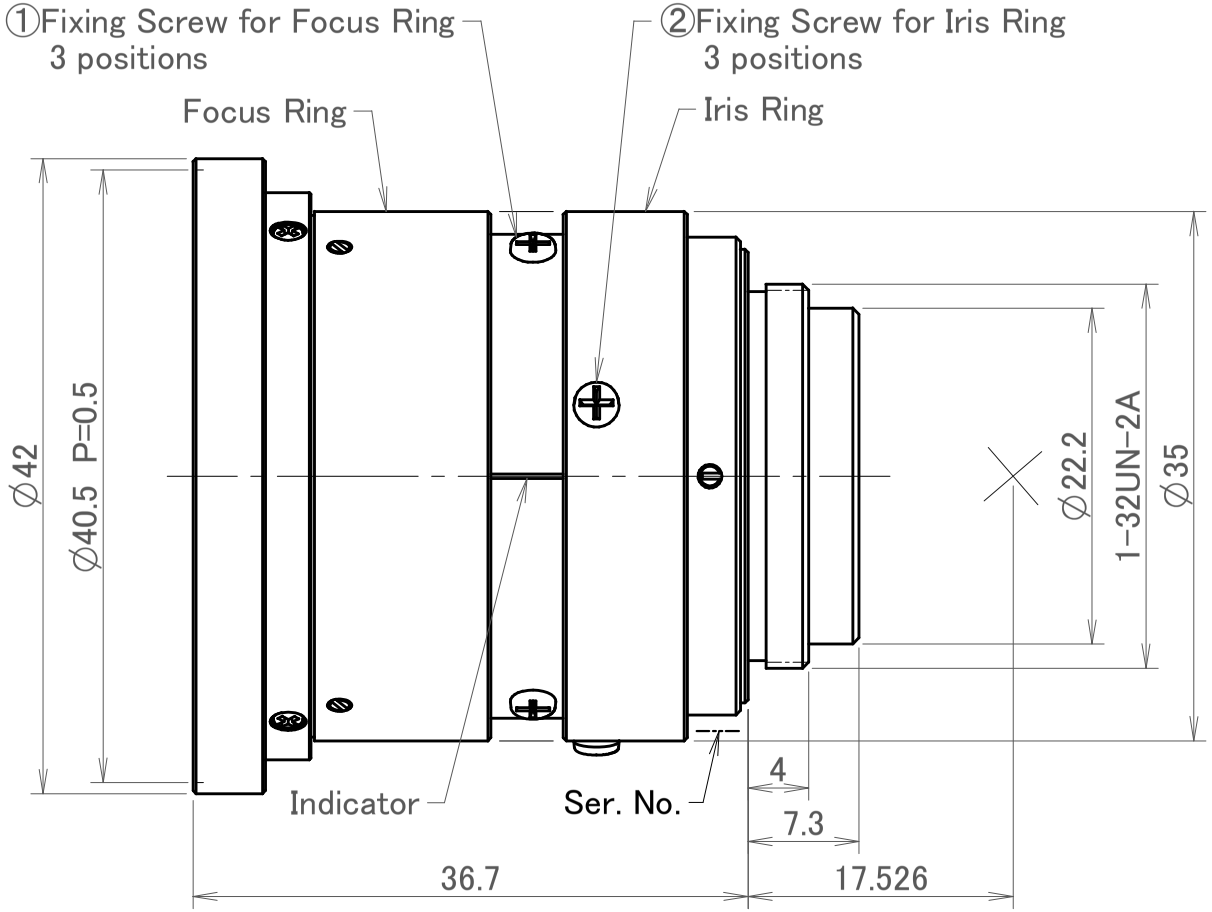
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s²
Duration of Shock	3.5 ms
Directions &Number of Times	1 Time Respectively in Three Dimensional Directions

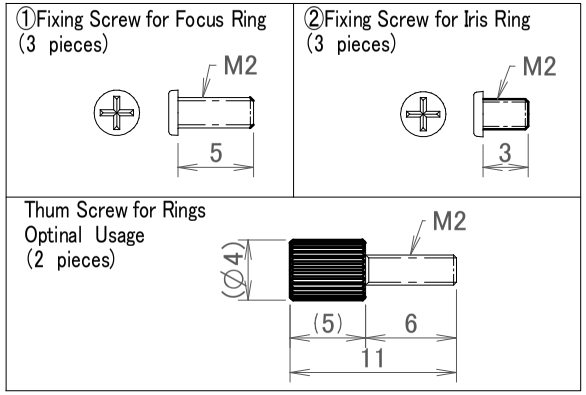
3-5. Environmental Temperature Range　　－10℃ to ＋50℃

4. Accessories

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







SPEC. SHEET	FL-CC0814A-2M
	K655-X001-B44
RICOH	Oct.10.2013