

SPEC. INFO	FL-BC7528-9M	K65784-S001-B13
		Dec. 05. 2014

1. Model FL-BC7528-9M
2. Application For 1 Format Camera

3. Specification

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

- (1) Dimensions  $\phi 42.0 \text{ mm} \times 81.0 \text{ mm}$
- (2) Weight 189 g
- (3) Mount C-Mount (1 – 32 UN – 2A)
- (4) Filter Screw Size M40.5 mm , P = 0.5 mm

3-2. Optical

- (1) Focal Length 75 mm  $\pm 5\%$
- (2) Max. Aperture Ratio 1: 2.8
- (3) Iris Range F / 2.8 to F / 32
- (4) Angle of View  
 Diagonal 12.2°  
 Horizontal 9.8°  
 Vertical 7.3°
- (5) Picture format 12.8 mm  $\times$  9.6 mm
- (6) Focusing Range Inf. to 0.25 m
- (7) Back Focal Length 21.3 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 309°  
 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 86°  
 Rotation Torque 0.01N·cm to 3.0 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 <sup>2</sup> to 59.78 m/s <sup>2</sup>
Cycle Range	10 Hz to 55 Hz
Cycle Period	3 Minutes
Duration of Vibration	120 Minutes Respectively in Three Dimensional Directions

(2) Shock Conditions

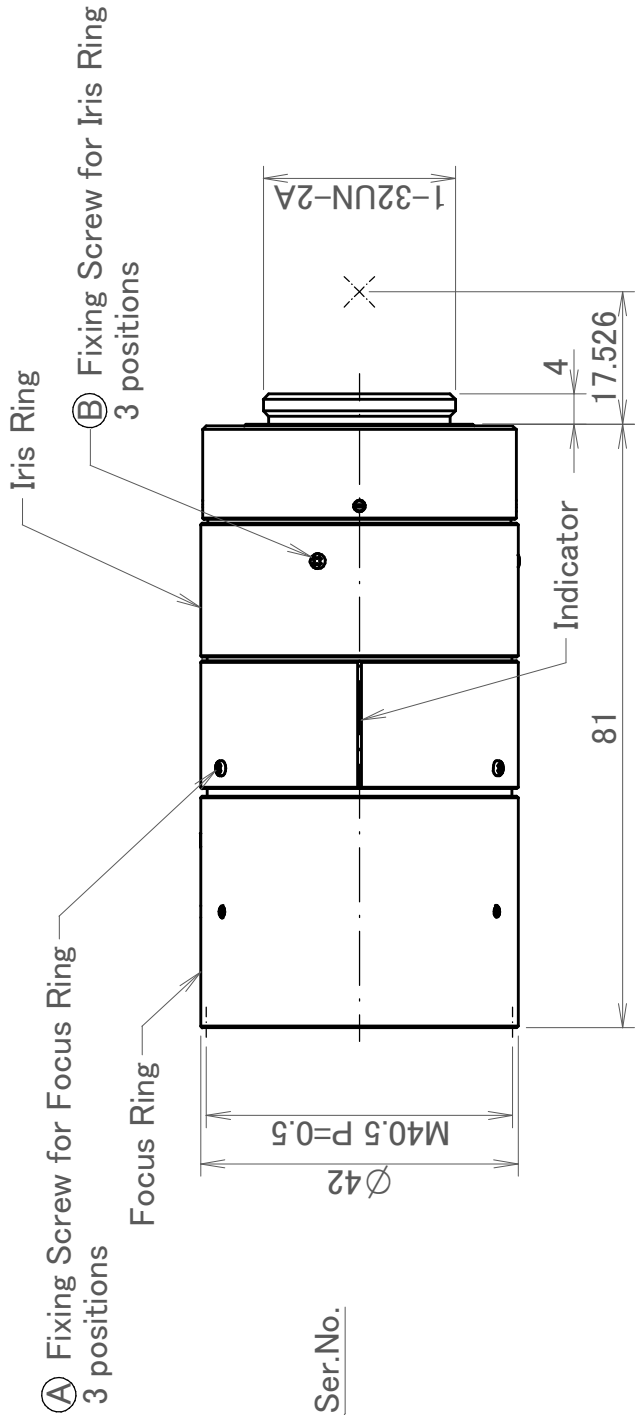
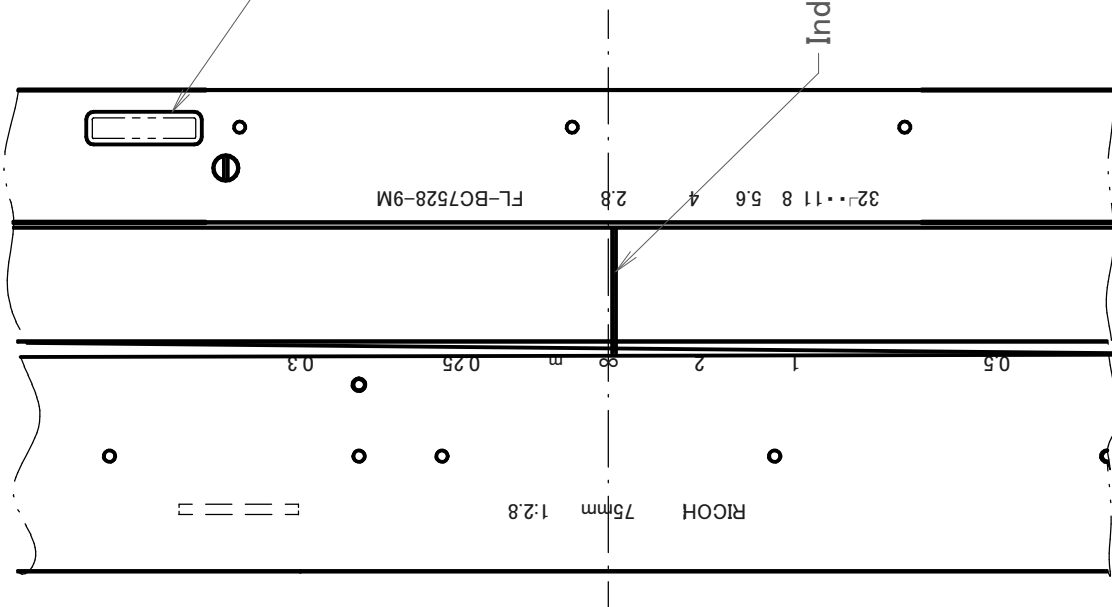
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s <sup>2</sup>
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

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3-5. Environmental Temperature Range       $-10^{\circ}\text{C}$  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  |                      |



<p><b>A</b> Fixing Screw for Focus Ring (3 pieces)</p>	<p><b>B</b> Fixing Screw for Iris Ring (3 pieces)</p>
<p>Thum Screw for Focus Ring Optical Usage (1 piece)</p>	<p>Thum Screw for Iris Ring Optical Usage (1 piece)</p>

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