

Approved by		Checked by		Prepared by	
MODEL NO. : NCL-14		DRAWING NO. : 2507182	REV : A	PAGE 1 / 5	July 25, 2018
PART NO. :					 NIPPON CERAMIC CO., LTD.

1. Scope

This specification describes a optical lens which is used for passive infrared detector.

2. Type of Lens

2.1. Type Name: Spherical shape optical lens

2.2. Model No.: NCL-14

3. Dimensions

See Figure 1.

4. Material

High Density Polyethylene (HDPE)

5. Color

Natural

6. Optical Characteristics

6.1. Number of Segments

18 Segments

6.2. Detection Area

See Figure 2.

7. Environmental Characteristics

7.1. Operating Temperature

-20 °C ~ +70 °C

7.2. Storage Temperature

-25 °C ~ +75 °C

7.3. Operating humidity

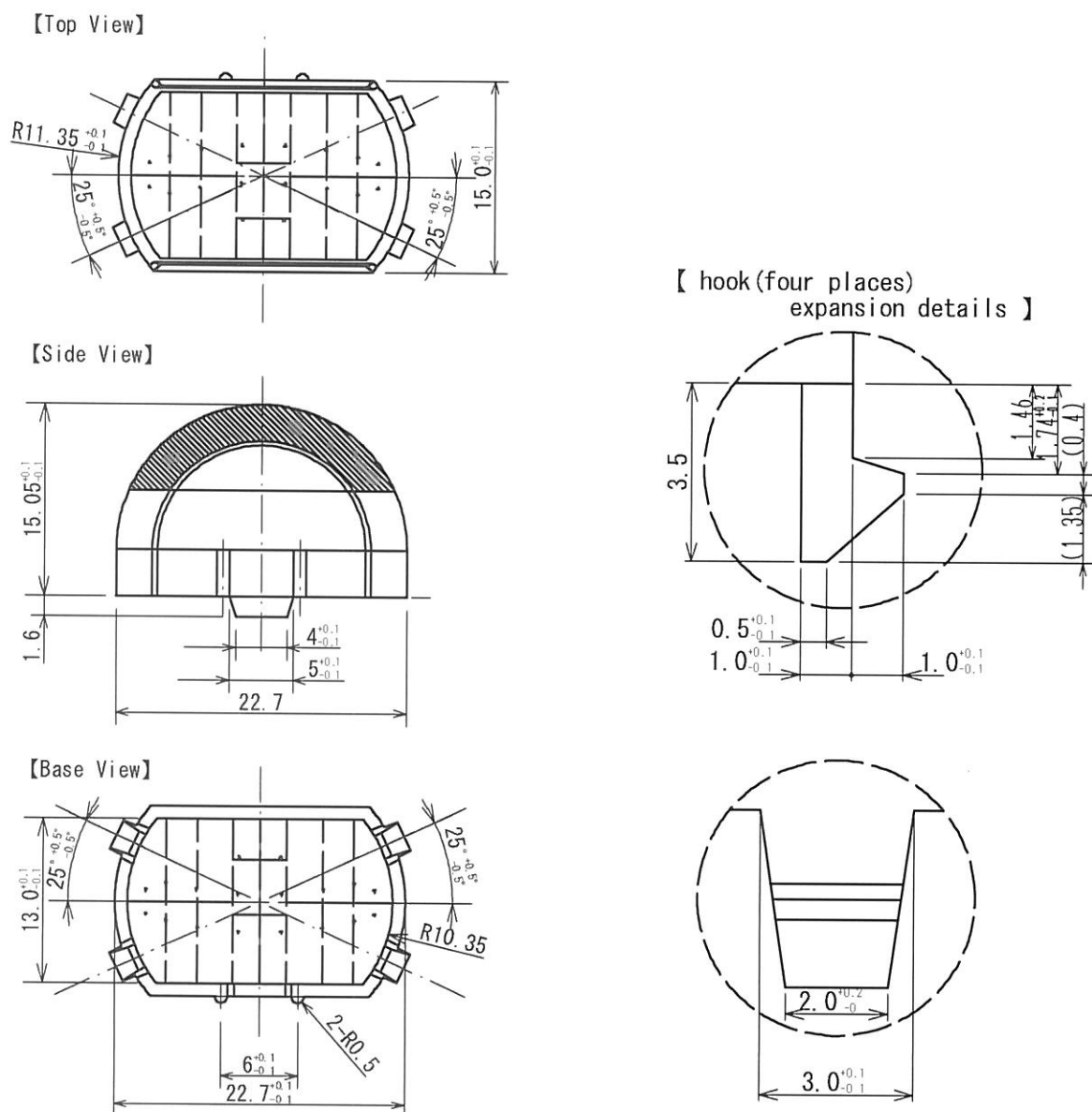
95%RH or less(30 °C)

7.4. Storage humidity

95%RH or less(30 °C)

* Please avoid using the lens in direct sunshine conditions because it may cause degradation of the transmittivity.

MODEL NO. : NCL-14	DRAWING NO. : 2507182	REV : A	PAGE 2 / 5	July 25, 2018
PART NO. :				 NIPPON CERAMIC CO., LTD.

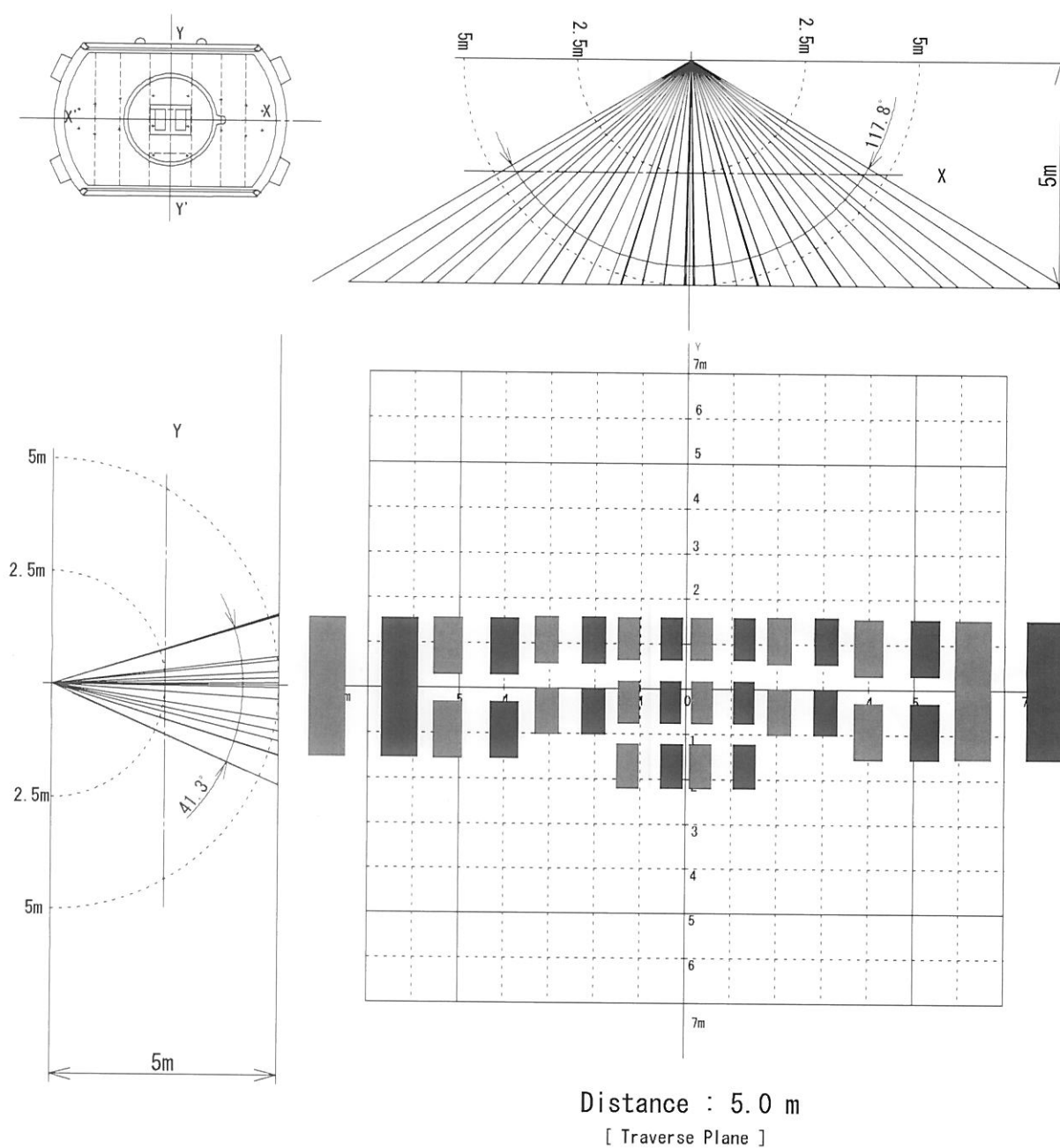


Tolerance without instruction : (+/-) 0.2
Unit [mm]

Figure 1: Dimensions

MODEL NO. : NCL-14	DRAWING NO. : 2507182	REV : A	PAGE 3 / 5	July 25, 2018
PART NO. :				 NIPPON CERAMIC CO., LTD.

Sensor: Dual element



※ Measured with Nicera Standard 72.5dB amplifier when human body with 4 degrees C of temperature difference to environment moves at 1m/sec speed.

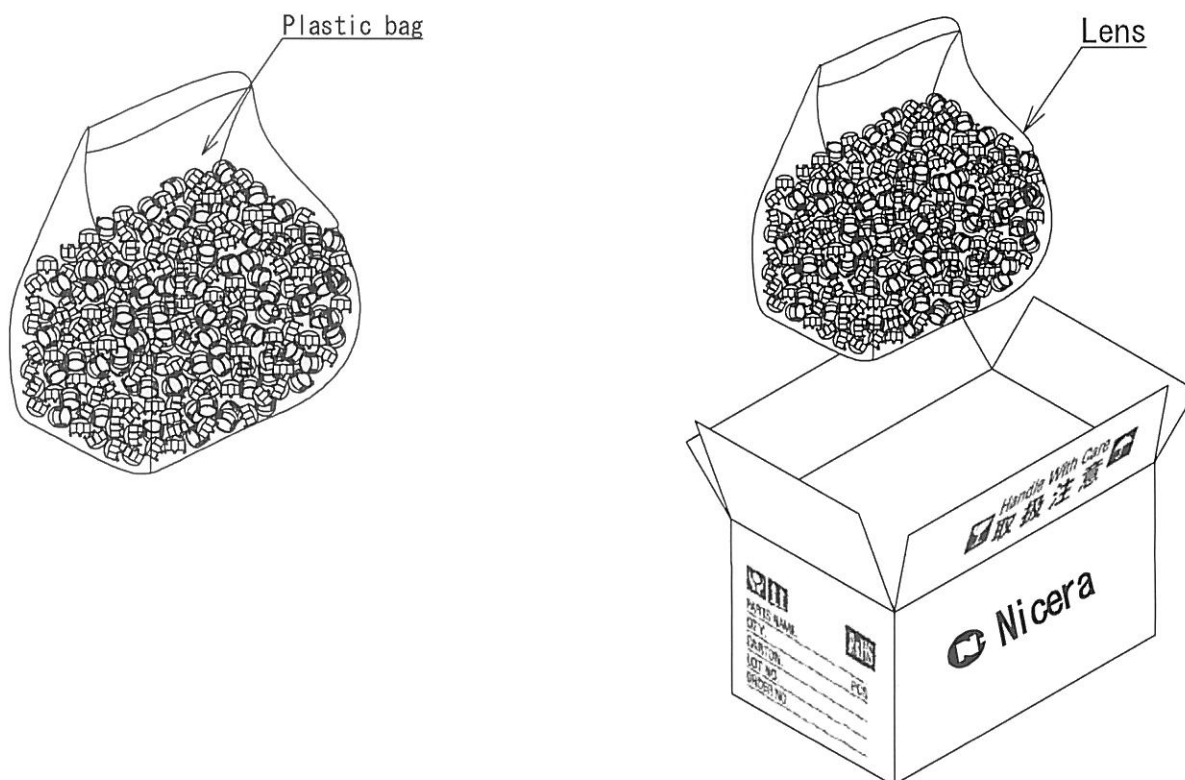
Figure 2: Detection Area (with Dual Element PIR)

MODEL NO. : NCL-14	DRAWING NO. : 2507182	REV : A	PAGE 4 / 5	July 25, 2018
PART NO. :				NIPPON CERAMIC CO., LTD.

Packing Specification

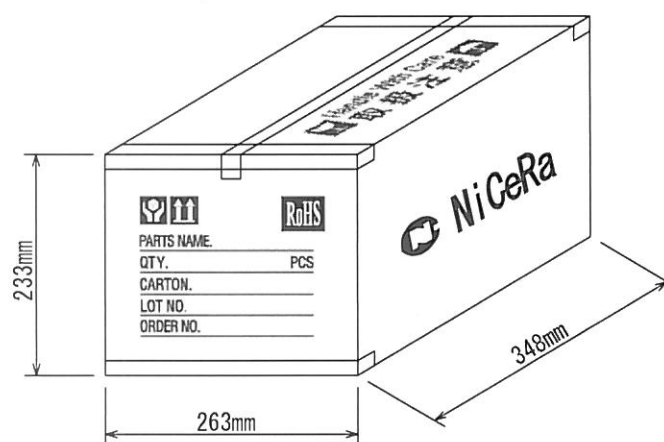
The products are put into a plastic bag, and the plastic bags are packed in an inner box.

1. Standard Package Quantity : 2,500pcs.
2. Product arrangement
2,500 pcs. / plastic bag
3. Packing
1 bag × 2,500 pcs. / 2,500 pcs.



4. Packing in a box

The outer box is sealed with stick tape.



MODEL NO. : NCL-14	DRAWING NO. : 2507182	REV : A	PAGE 5 / 5	July 25, 2018
PART NO. :				 NIPPON CERAMIC CO., LTD.