9.Caution in use

9-1 Notice in design

1) Please set the direction of the tab of fresnel lens to the tab of sensor.
2) To bring pyro-Element into the focus of fresnel lens, Please push the sensor until the step inside the fresnel lens.
3) Please add any mechanism for preventing dislocation or for preventing coming off from the sensor because of transition fit between sensor and fresnel lens
4) Please avoid using the fresnel lens in the following conditions because it may cause failure or malfunction ;
   a) in such a fluid as water, alcohol etc. corrosive gas ($S0_2$,Cl_2,NO_X etc.) or sea breeze.
   b) in high humidity.
   c) in a place exposed directly to sun light or headlight of automobile.
   d) in a place exposed directly to blow from air-conditioner or heater.
   e) in such a place where infrared ray is shaded.
   f) in any other place similar to the above (a) through (e).

9-2 Notice in handling and storage

1) Optical filter of sensor should not be scratched or soiled.
2) Strong shock should be avoided.
3) High temperature, high humidity, fluid as water or alcohol etc., corrosive gas ($S0_2$,Cl_2,NO_X etc.) and sea breeze should be avoided.
4) Use the products within 6 months after receiving.

10. ⚠Note

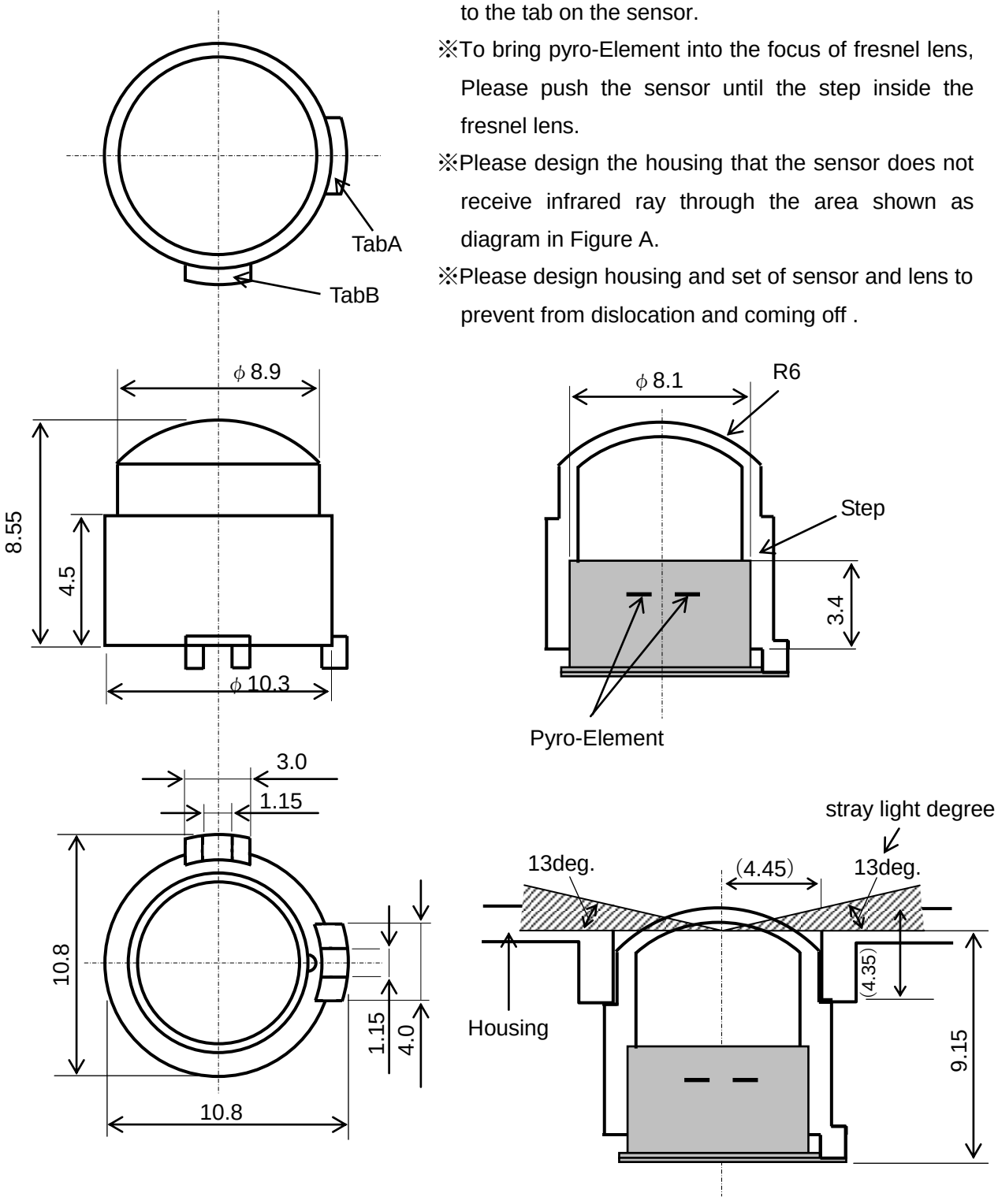
1） Please make sure that your product has been evaluated in view of your specifications with our product being mounted to your product.
2） You are requested not to use our product deviating from the agreed specifications.
3） We consider it not to appropriate to include any terms and conditions with regard to the business transaction in the product specifications, drawings or other technical documents. Therefore, if your technical documents as above include such terms and conditions such as warranty clause, product liability clause, or intellectual property infringement liability clause, they will be deemed to be invalid.

※Please set the direction of the tab on the fresnel lens to the tab on the sensor.

※To bring pyro-Element into the focus of fresnel lens, Please push the sensor until the step inside the fresnel lens.

※Please design the housing that the sensor does not receive infrared ray through the area shown as diagram in Figure A.

※Please design housing and set of sensor and lens to prevent from dislocation and coming off .



Unit：mm
General tolerance：±0.2

Figure A
An example of a design of the housing

Figure 1