

MESSRS. : \_\_\_\_\_

AGENT : \_\_\_\_\_


**SPECIFICATION  
OF  
PYROELECTRIC PASSIVE  
INFRARED SENSOR**

MODEL NO. : SW-IVC-15G

PART NO. : \_\_\_\_\_

PRELIMINARY

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### Electric Characteristics, ratings


	Min.	Typ.	Max.	Unit
Storage temperature	-30		85	degC
Operating temperature	-20		60	degC
Current consumption 1 *1	—	5	8	μA
Current consumption 2 *2	—	150	250	μA
Sensitivity *3 *4	TBD			
Noise *3 *4	TBD			
DC operation voltage	0.1	—	3.0	V
Operation delay time *2		0.15		Sec.
Operating voltage	3.1		3.5	V

\*1 By SW-IVC-15G only.

\*2 Including MPU. \*Software of MPU is a tentative one for demonstration.

\*3 As of engineering sample stage, compared to our RE200B or Excelitas LHi968, we have confirmed approx. 50 times higher output voltage as typical value.

\*4 Sensor has no LPF / HPF. Sensor's output will be processed by MPU.  
As for how to express Sensitivity and Noise values, we will decide later.

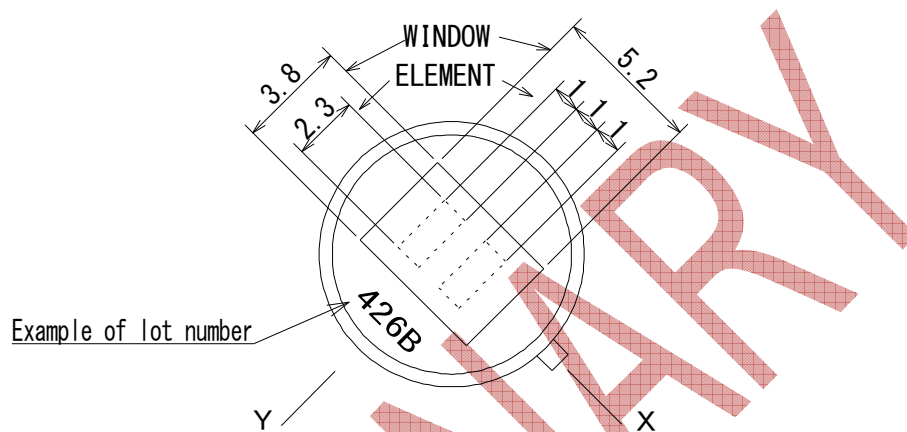
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Configuration (Figure 1)

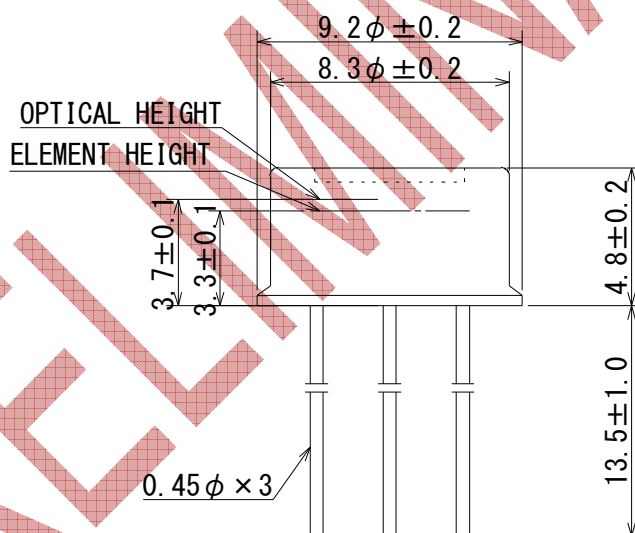
Field of view  
(Figure 1-a)



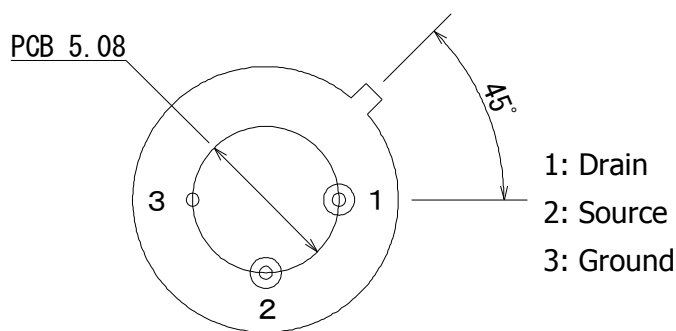
Top view  
(Figure 1-b)



Side view  
(Figure 1-c)



Base view  
(Figure 1-d)



Unit [mm]

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