1.Product Name

PIR MOTION SENSOR "PaPIRs"
VZ series・Horizontally wide detection type　（170μA / Analog output）

2.Model Number

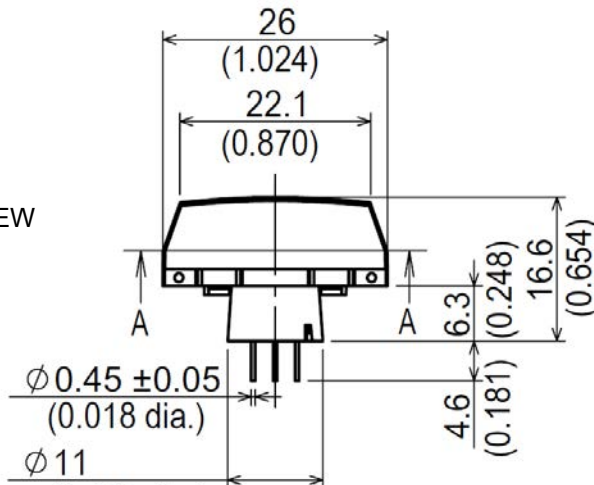| Lens Color	Model Number
White	EKMC2605111K
Black	EKMC2605112K
Pearl White	EKMC2605113K
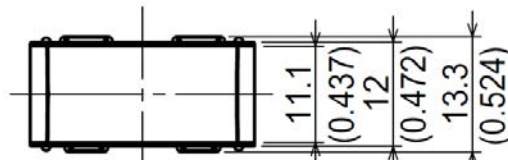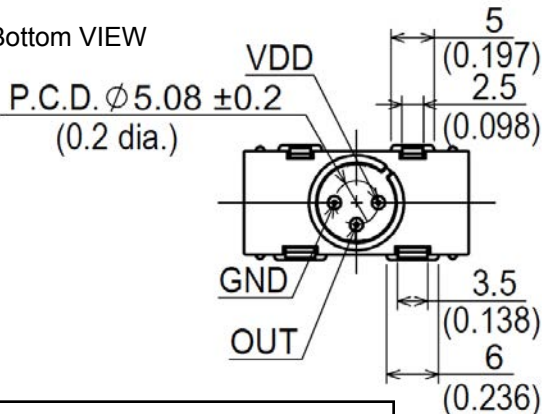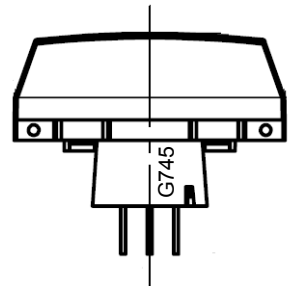
Marking

G 7 45
a)　b)　c)

a) The Marking which was
shown by a list shown below

Marking	Model Number
A	EKMC160511☐
B	EKMB130511☐K
C	EKMB110511☐
D	EKMB120511☐
E	EKMB260511☐
F	
G	EKMC260511☐K
H	EKMC460511☐K
I	
J	
K	

b) Last-digit of the year
(Ex:2017=7,2018=8,…)

c) Lot No.
1st week of Jan. will be 01,
and further No. of 02,03,
will continue up to 53.

3.Dimensions

Top VIEW

11.1 (0.437)
12 (0.472)
13.3 (0.524)

26 (1.024)
22.1 (0.870)

Side VIEW

A
Ø0.45 ±0.05 (0.018 dia.)
Ø11

6.3 (0.248)
16.6 (0.654)
4.6 (0.181)

Bottom VIEW
VDD
P.C.D.Ø5.08 ±0.2 (0.2 dia.)
GND
OUT

5 (0.197)
2.5 (0.098)
3.5 (0.138)
6 (0.236)
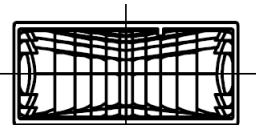
General Tolerance ±0.5mm (±0.020inch)

SECTION A-A

Panasonic Corporation

Approved by	
Checked by	
Designed by	

4.Characteristics

4-1 Detection Performance (Detection Area A)
Conditions for measuring: Ambient temperature=25°C(77° F)   Operating voltage=5VDC

	Temperature difference	Value	Conditions concerning the target
(Note1) Detection Sensitivity	4°C(7.2° F)	±0.22V≦	1.Movement speed: 1.0m/s 2.Target concept is human body (Object size:Around 700×250mm) 3.Detection range is 5m.

Note1:The detection range is about 5m however, depending on the target's speed and its temperature
difference with the surroundings, detection can occur at a range superior to the value above.
Therefore, before using, please confirm the detection characteristics under the usage environment.
*Refer to the "detection area" diagram in section 4-6.

		Value	Notes
Detection Area	Horizontal	122° (±61°)	Refer to the section 4-6.
	Vertical	35° [+10°/-25°]	
	Detection zones	88	

4-2 Detection Performance (Detection Area B)
Conditions for measuring: Ambient temperature=25°C(77° F)   Operating voltage=5VDC

	Temperature difference	Value	Conditions concerning the target
(Note1) Detection Sensitivity	8°C(14.4° F)	±0.22V≦	1.Movement speed: 1.0m/s 2.Target concept is human body (Object size:Around 700×250mm) 3.Detection range is 5m.

Note1:The detection range is about 5m however, depending on the target's speed and its temperature
difference with the surroundings, detection can occur at a range superior to the value above.
Therefore, before using, please confirm the detection characteristics under the usage environment.
*Refer to the "detection area" diagram in section 4-6.

		Value	Notes
Detection Area	Horizontal	150° (±75°)	Refer to the section 4-6. (Ditection Area A is not included.)
	Vertical	20° (±10°)	
	Detection zones	16	