

For Gamma Camera and Scintillation Counting, Low Profile, High P. H. R.

Type. No.	Cathode Sensitivity			Q.E.* ¹ Typ. (%)	Anode Sensitivity					Rise Time Typ. (ns)	P.H.R.* ² Typ. (%)	Stability* ³ Typ. (%)
	Luminous Typ. (μA/lm)	Blue Sensitivity Index (CS 5-58) Typ.	Radiant* ¹ Typ. (mA/W)		Luminous Typ. (A/lm)	Blue Sensitivity Index (CS 5-58) Typ.	Dark Current Typ. (nA)	Gain Typ.	Ebb (V dc)			
R6231-01 (51mm Dia.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	5.0	8.5 / a	0.5
R6232-01 (60mm Dia.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.3 / a	0.5
R6233-01 (76mm Dia.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.5 / b	0.5
R6234-01 (60mm Hex.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.3 / a	0.5
R6235-01 (76mm Hex.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.3 / b	0.5
R6236-01 (60mm Squ.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.3 / a	0.5
R6237-01 (76mm Squ.)	110	12.0	95	30	30	3.5	2	2.7 × 10 ⁵	1000	6.0	8.3 / b	0.5

*1: At peak wavelength.

*2: Measured with an NaI (TI) scintillator and a ⁵⁷Co source.

a: 51 mm(2") diameter × 51 mm(2") thickness, b: 76 mm(3") diameter × 76 mm(3") thickness

*3: This is defined as follows under the operation for 16 hours at a constant count rate of 1000 s⁻¹:

$$D_{LTS} = \frac{\sum_{i=1}^n |P_i - \bar{P}|}{n} \cdot \frac{100}{\bar{P}}$$

Where \bar{P} is the mean pulse height averaged over n readings, P_i is the pulse height at the i-th reading, and n is the total number of readings.

STANDARD VOLTAGE DIVIDER AND SUPPLY VOLTAGE

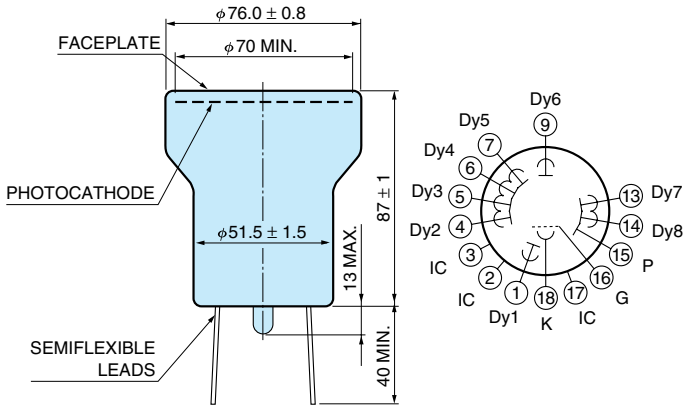
Electrodes	K	G	Dy1	Dy2	Dy3	Dy4	Dy5	Dy6	Dy7	Dy8	P
Ratio	2	2	1	1	1	1	1	1	1	1	1

Supply Voltage: 1000 V, K: Cathode, Dy: Dynode, P: Anode, G: Grid

NOTE: Standard Bleeder Assembly or Custom Designed Bleeder Assembly will be provided upon your requests.

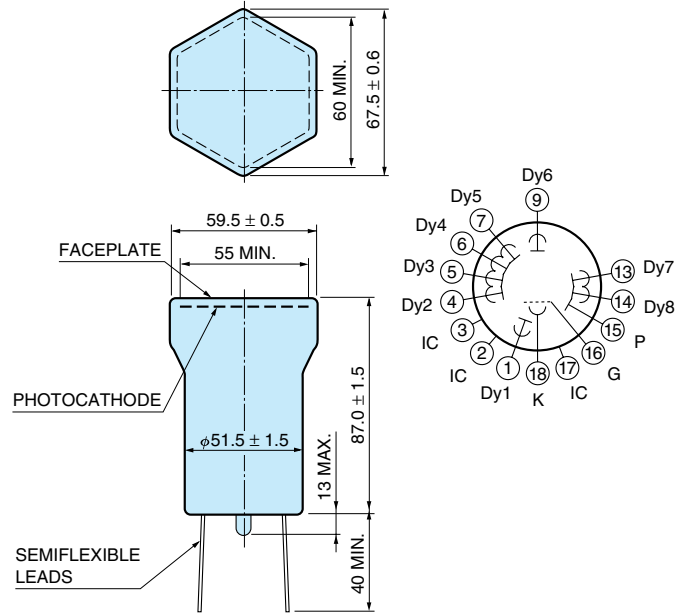
Dimensional Outlines and Basing Diagrams (Unit: mm)

R6233-01



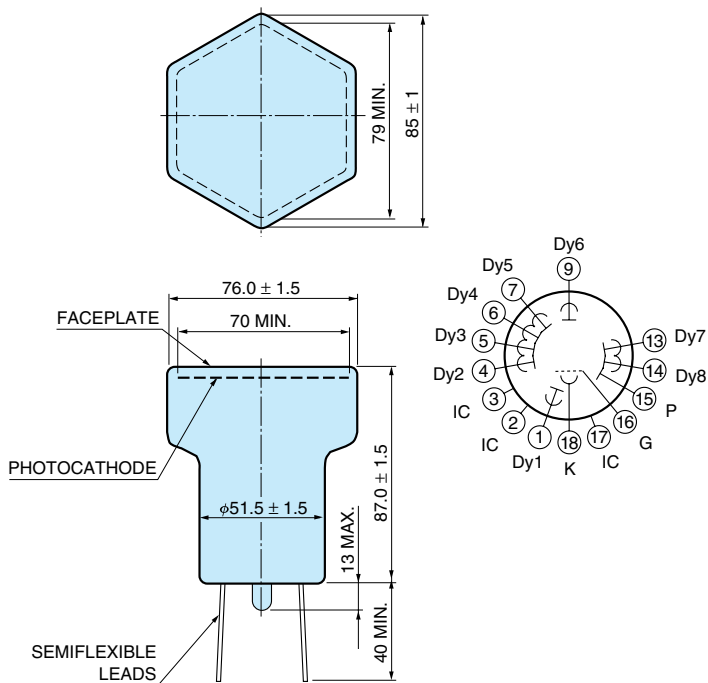
TPMHA0301EA

R6234-01



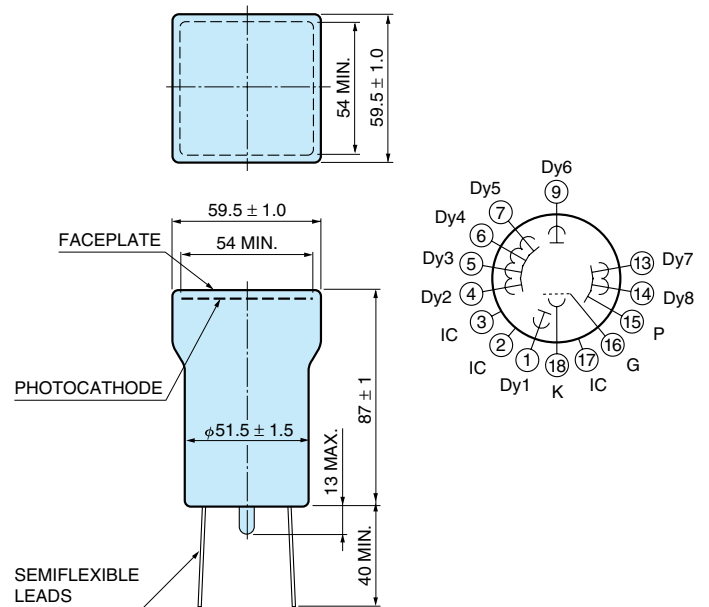
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R6235-01



TPMHA0303EA

R6236-01

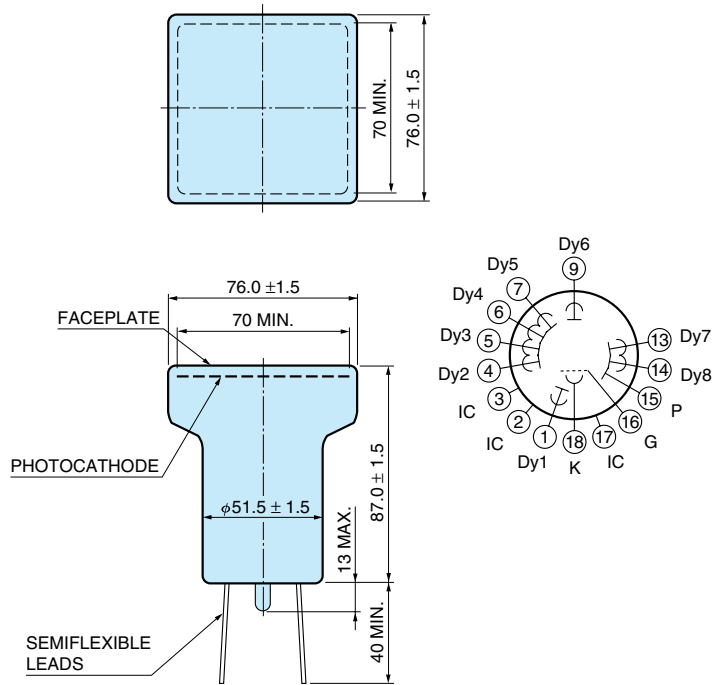


TPMHA0304EA

PHOTOMULTIPLIER TUBES FOR GAMMA CAMERA

Dimensional Outlines and Basing Diagrams (Unit: mm)

R6237-01



TPMHA0305EA

HAMAMATSU

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