BEIJING ENERGY

PHOTOMULTIPLIER TUBE GDB23B

PMT for Scintillation Counting and Spectrophotometer
28 mm (1-1/8 Inch) Diameter, 87 mm Length, 9-stage, Head-on Type

SPECIFICATIONS

GENERAL

Parameter		Description/Value	Unit
Spectral Response		300 to 650	nm
Wavelength of Maximum Response		420	nm
Photocathode	Material	Bialkali	—
	Minimum Effective Area	25	mm dia.
Window Material		Borosilicate glass	—
Dynode	Structure	Linear focused	—
	Material	Bialkali	—
	Number of Stages	9	—
Ambient Temperature		−30 to +100	℃

CHARACTERISTICS(at 25℃)

Parameter		Min.	Typ.	Max.	Unit
Cathode Sensitivity	Luminous(2856K)	30	50	—	μ A/lm
	Blue(CS–5–58 filter)	10	14	—	μ A/lm
Anode Sensitivity and Dark Current	Sensitivity		200		A/lm
	Voltage	—	900	1250	V
	Dark Current	—	0.5	2	nA
High Temp. Plateau		—	—	—	V
Time Response	Anode Pulse Rise Time	—	4	—	ns
	Electron Transit Time	—	60	—	ns

NOTE: Characteristics are measured with the voltage distribution ratio shown below

VOLTAGE DISTRIBUTION RATIO AND SUPPLY VOLTAGE

Electrodes	K	Dy1	Dy2	Dy3	Dy4	Dy5	Dy6	Dy7	Dy8	Dy9	A
Ratio	1	1	1	1	1	1	1	1	1	1	1

Supply Voltage:1000Vdc, K:Cathode, Dy:Dynode, A:Anode

Subject to local technical requirements and regulations, availability of products included in this promotional material may vary .Please consult with our sales office.

Information furnished by BEIJING ENERGY is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omissions. Specifications are subject to change without notice. No patent rights are granted to any of the circuits described herein.

PHOTOMULTIPLIER TUBE GDB23B

Figure 1: Typical Spectral Response

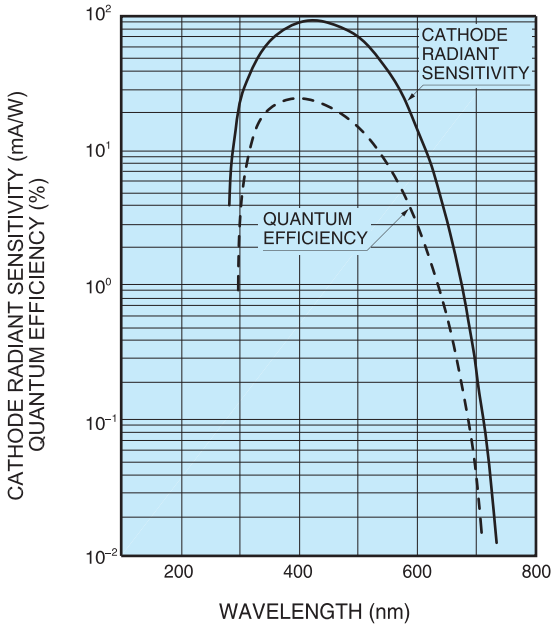


Figure 2: Typical Gain

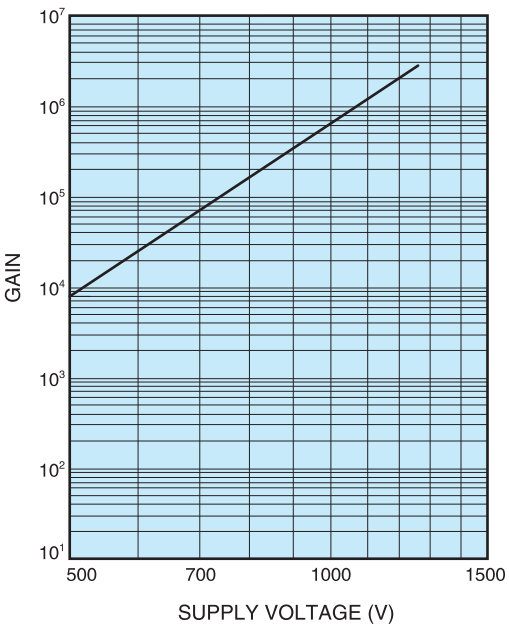
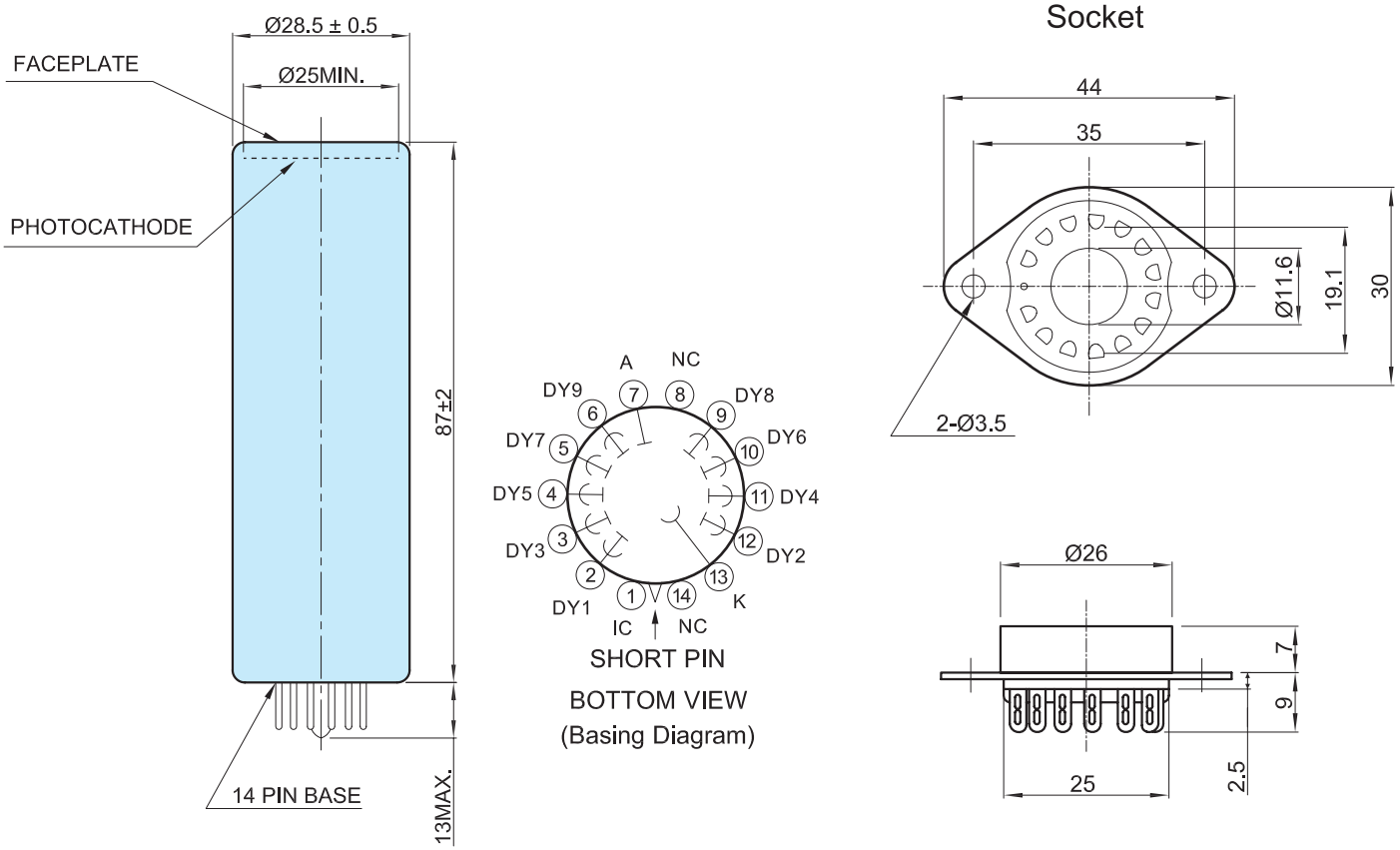


Figure 3: Dimensional Outline and Basing Diagram (Unit: mm)



BEIJING ENERGY WEB SITE www.beijing–energy.com

Beijing Energy Science & Technology Co., Ltd.
ADD: 3F，Building C，BeiQiJia Industry Base, Changping District, Beijing，China，102209
TEL:+86–10–6975 1218 / +8613911739991
FAX:+86–10–6975 1261
E–mail:Beijing_Energy@163.com