# BEIJING ENERGY

# PHOTOMULTIPLIER TUBE GDB25B

## PMT for Scintillation Counting and Oil Well Logging（MWD）
## 25 mm (1 Inch) Diameter, 43 mm Length, 10-stage, Head-on Type

## SPECIFICATIONS

### GENERAL

| Parameter | | Description/Value | Unit |
|---|---|---|---|
| Spectral Response | | 300 to 650 | nm |
| Wavelength of Maximum Response | | 375 | nm |
| Photocathode | Material | Bialkali | — |
| | Minimum Effective Area | 22 | mm dia. |
| Window Material | | Borosilicate glass | — |
| Dynode | Structure | Circular–linear focused | — |
| | Material | Bialkali | — |
| | Number of Stages | 100 | — |
| Ambient Temperature | | −30 to +125 | ℃ |

### CHARACTERISTICS(at 25℃)

| Parameter | | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|
| Cathode Sensitivity | Luminous(2856K) | 60 | 90 | — | μ A/lm |
| | Blue(CS–5–58 filter) | 9 | 10 | — | μ A/lm |
| Anode Sensitivity and Dark Current | Sensitivity | | 200 | | A/lm |
| | Voltage | — | 900 | 1250 | V |
| | Dark Current | — | 0.5 | 3 | nA |
| High Temp. Plateau | | — | — | — | V |
| Time Response | Anode Pulse Rise Time | — | 1.3 | — | ns |
| | Electron Transit Time | — | 30 | — | 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 | Dy10 | 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.

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Figure 1: Typical Spectral Response

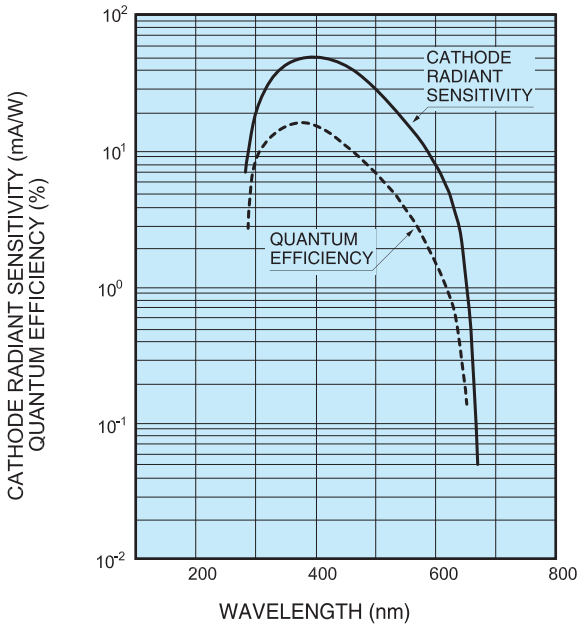



Figure 2: Typical Gain

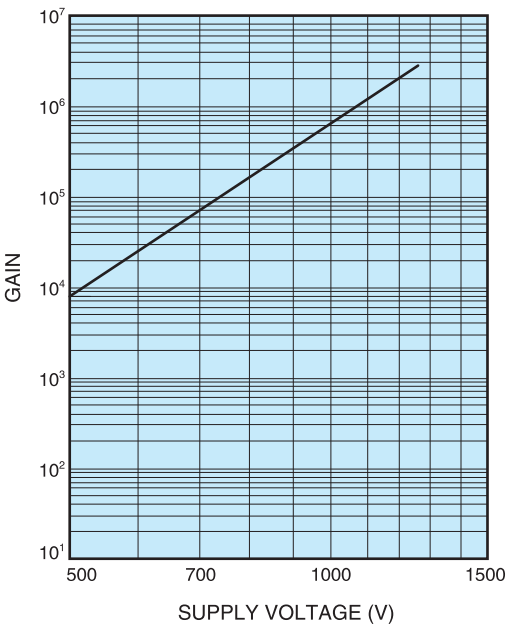
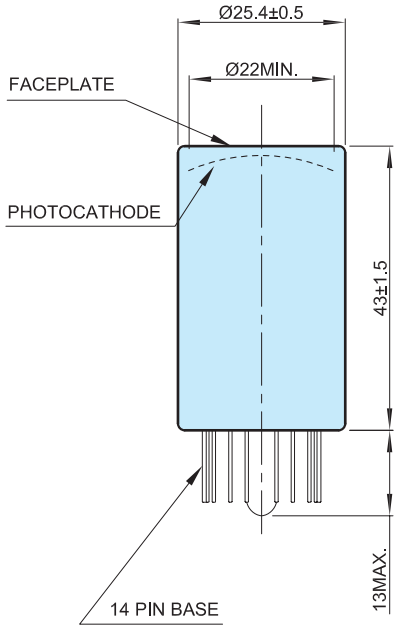
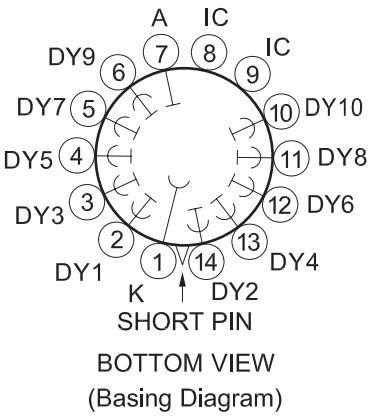
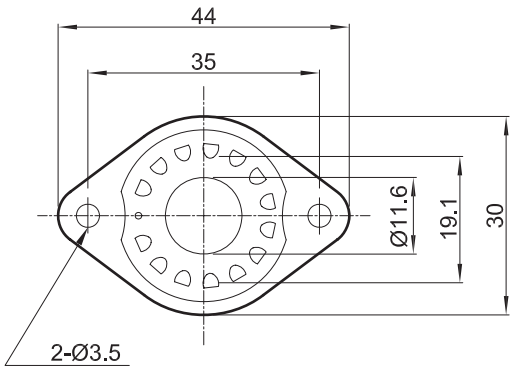


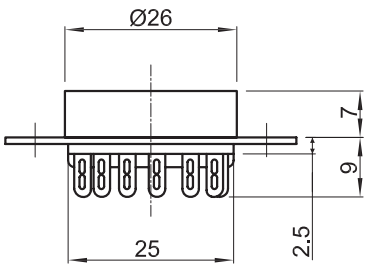

Figure 3: Dimensional Outline and Basing Diagram (Unit: mm)




Socket





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