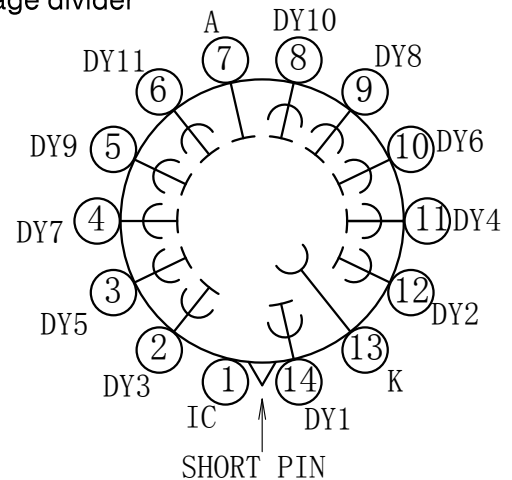


## WY25 Socket Type 1 mA Micro Power High Voltage Module



Wy25 is a kind of socket type high voltage module. Its internal voltage divider is designed to a high linear DC micro power divider. Every dynode have a  $1\ \mu\text{F}$  - energy storage capacitor. So the use of the divider makes the photomultiplier tube get high DC output linear, fast response speed, wide output voltage range and low ripple. This socket module is simple to use, just plugging in the photomultiplier tube that diameter is 25 mm (as the right figure) directly.



## LEAD

**Red line:** +5V input. **Black line:** Input power ground wire.

**Green line:** Output voltage control end. **Shielding line:** Signal output (7 feet).

## Main Technical Parameters

**1. Operating temperature range:**  $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$ .

**2. Input voltage:**  $+4.5\text{V} \sim +7\text{V}$ .

**3. Input current:** Less than  $1\text{mA}$ @-  $1000\text{V}$  (+5V IN)

**4. Output voltage:**  $0\text{V} \sim -1500\text{V}$ .

**5. Temperature stability:** Max.:  $\pm 30\text{PPM}/^{\circ}\text{C}$ ,  
Typ.:  $\pm 20\text{PPM}/^{\circ}\text{C}$ .

**6. Line regulation:**  $\pm 0.01\%$ (10% linear change).

**7. Load regulation:**  $\pm 0.01$ (50% load change).

**8. Output ripple:**  $100\text{mVp-p}$ , Typ.:  $50\text{mVp-p}$ .

**9. Shock resistance:**  $3\text{G}$ ,  $0 \sim 300\text{Hz}$ .

**10. Storage temperature:**  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$ .

**11. Size:**  $\Phi * L$ :  $29.0\text{mm} * 38.0\text{mm}$ .