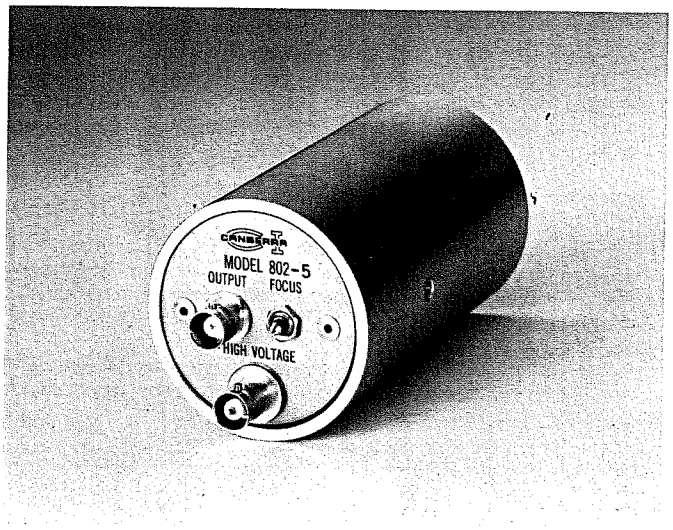
Model 802-5 Tube Base

Features

- Mounts directly on PMT
- Detector bias operation up to 3kV
- External Focus control



Description

The Canberra Model 802-5 is a compact photomultiplier tube base which contains a high voltage divider network to supply all the necessary bias voltages for 10-stage PM tubes. A focus control is provided for optimization of the detector resolution.

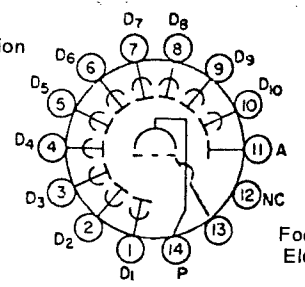
Designed to be compatible with the Canberra Model 802 Series Scintillation Detectors, or equivalent, the tube base connects directly to the PMT providing one integrally mounted assembly. A high voltage blocking capacitor is provided to couple the anode signal to a preamplifier such as the Canberra Model 805 or Model 1405.

Specifications

HIGH VOLTAGE - filtered, accepts 3kV max., SHV connector
DYNODE BIAS VOLTAGES - 10 dynodes @ 72V/1000VDC of high voltage
FOCUS CONTROL - 72V to 145V/1000VDC of high voltage
OUTPUT SIGNAL - PMT anode, AC coupled, BNC connector
MECHANICAL -
Diameter - 2.3 in. (5.63 cm)
Length - 4.3 in. (10.53 cm)
Net Weight - 0.6 lb (0.27 kg)
Shipping Weight - 5.6 lb (2.5 kg)

PM TUBE SOCKET - 14 pin (Cinch Jones 3M-14)

Pin Configuration



D – DYNODE
A – ANODE
P – PHOTOCATHODE
NC – NO CONNECTION

TYPICAL SPECTROSCOPY SYSTEM