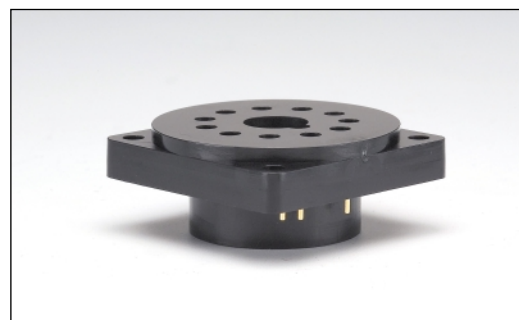


The E717-74 is a compact D type socket assembly designed for 28 mm (1-1/8 inch) diameter side-on photomultiplier tubes (PMT). The overall length is most short as compared to conventional type.

### FEATURES

- Pin Output
- Compact and Lightweight

### SPECIFICATIONS



#### MAXIMUM RATINGS

Parameter	Description/Value	Unit
Supply Voltage between Case and Terminals	1500	V
Supply Voltage between Power Supply Terminals	-1500	V
Divider Current (at -1500 V Supply Voltage)	0.46	mA
Power Consumption (at -1500 V Supply Voltage)	682	mW
Operating Ambient Temperature	0 to +50	°C
Storage Temperature	-15 to +60	°C

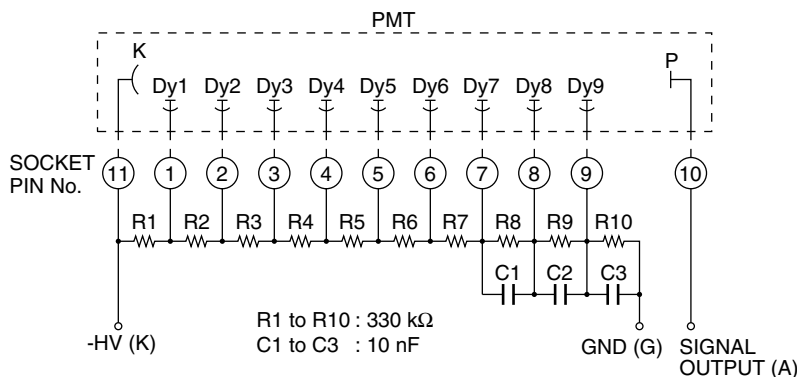
#### CHARACTERISTICS (at 25 °C)

Parameter	Description/Value	Unit
Insulation Resistance between Case and Terminals	Min. $1 \times 10^{11}$	$\Omega$
Leakage Current in Signal <sup>Ⓐ</sup>	Max. $1 \times 10^{-10}$	A
Total Voltage Divider Resistance	3.3	M $\Omega$
Maximum Linear Output in DC Mode <sup>Ⓑ</sup>	22	$\mu$ A
Output Signal	DC/Pulse	—
Weight	10	g

NOTE: <sup>Ⓐ</sup>At -1000 V supply voltage between power supply terminals.

<sup>Ⓑ</sup>The current at which output of PMT deviates by  $\pm 5$  % from the linearity.

Figure 1: Circuit Diagram



\* "Wiring diagram applies when -HV is supplied."

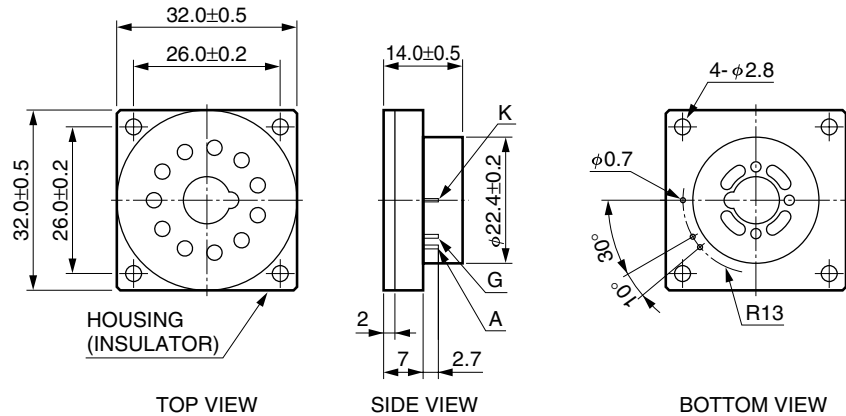
To supply +HV, connect the pin "G" to +HV, and the pin "K" to the GND.

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# COMPACT D TYPE SOCKET ASSEMBLY

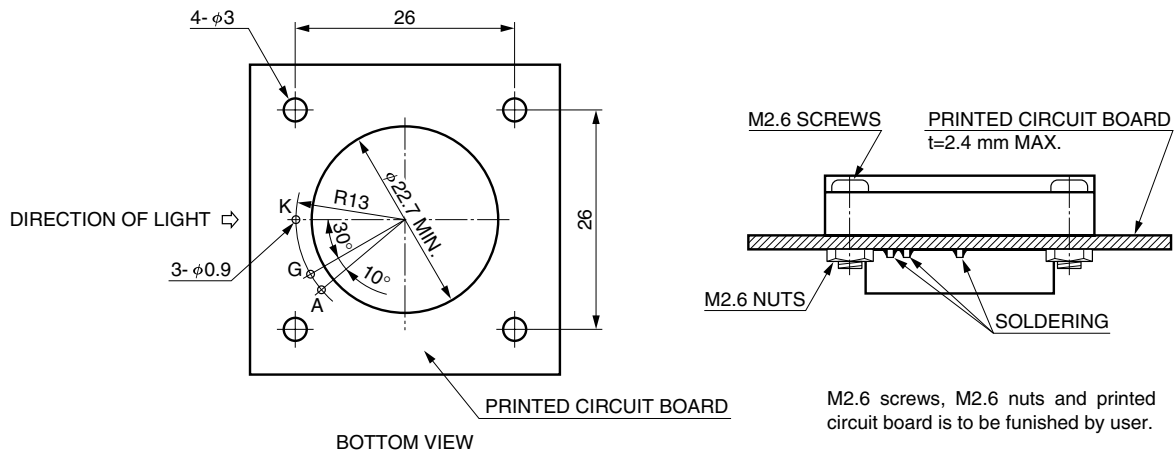
## E717-74

Figure 2: Dimensional Outline (Unit: mm)



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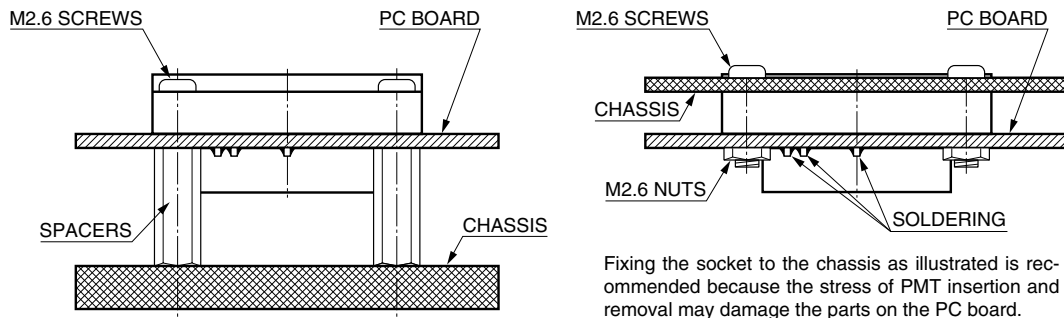
Figure 3: Suggested Printed Circuit Board Layout (Unit: mm)



M2.6 screws, M2.6 nuts and printed circuit board is to be finished by user.

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Figure 4: Fixing the Socket to the Chassis



Fixing the socket to the chassis as illustrated is recommended because the stress of PMT insertion and removal may damage the parts on the PC board.

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