

The E5771-01 is a voltage divider to operate a 28 mm Side-on photo-multiplier tube. The compact configuration is convenient to attach directly on tracing circuit board. Additionally, the built-in circuit utilizes transistor devices in the final three stages, so that the E5771-01 can give superior DC linearity characteristic under a low power consumption.



SPECIFICATIONS

Parameter	Description / Value	Unit
Applicable PMT	28 mm Side-on type	—
Max. Supply Voltage between Case and Pins	1500	V
Max. Supply Voltage between Pin#1 and #11	1500	V
Max. Divider Current between Pin#1 and #11	0.29	mA
Max. Power Consumption Between Pin#1 and #11	0.44 (at 1500 V)	W
Insulation Resistance between Case and Pins	Min. 1×10^{11}	Ω
Voltage Distribution Ratio among Pin#1 to #11	1: 1: 1: : 1: 1: 1	—
Max. Linear Output in DC Mode	Typ. 100	μ A
Operating Temperature	-20 to +50	$^{\circ}$ C

Figure 1: DC Linearity of E5771-01

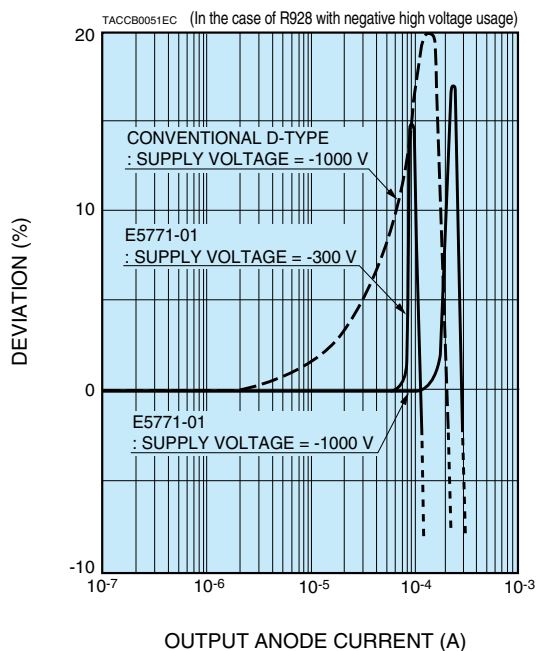
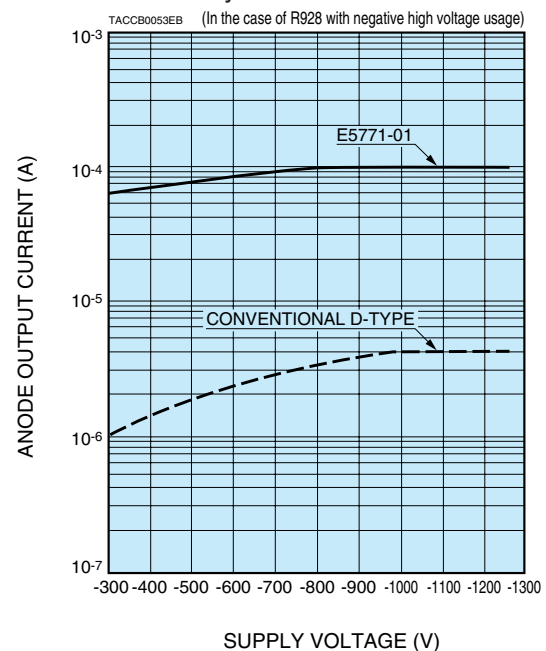
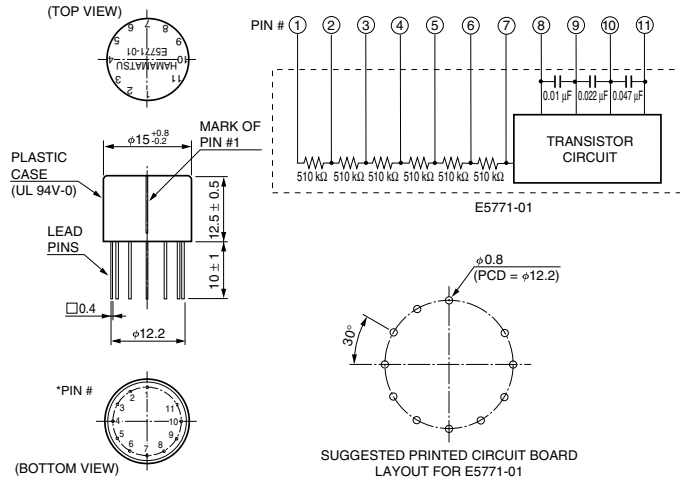


Figure 2: Maximum Output under $\pm 1\%$ DC Linearity of E5771-01



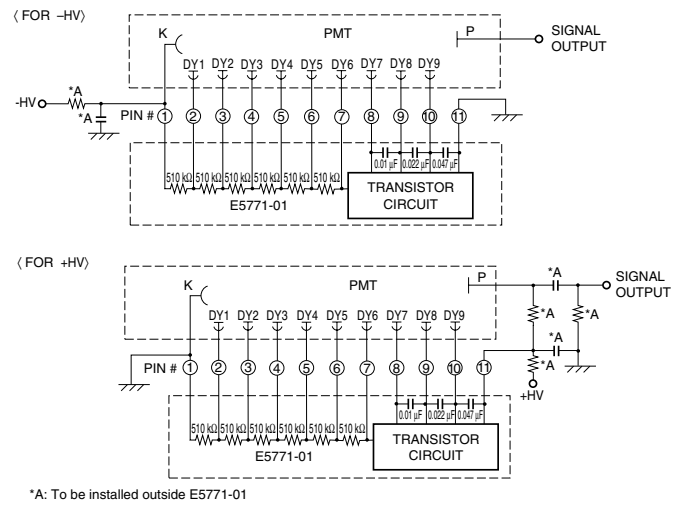
D-TYPE ACTIVE MODULE E5771-01

Figure 3: Dimensional Outline and Circuit Diagram of E5771-01 (Unit: mm)



TACCA0180EC

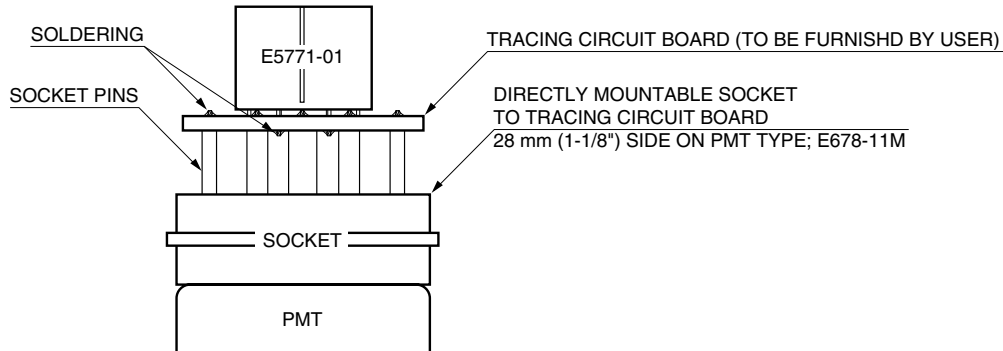
Figure 4: The Example of Completed Divider Circuit with E5771-01



*A: To be installed outside E5771-01

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Figure 5: The Example of How to Use



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CAUTION

- When getting output anode current over operating area shown at Figure 2, there may be a sudden change in output. It would be caused by divider current but not lead E5771-01 to break down.
- When supplying high voltage with opposite polarity by mis-handling in connection with E5771-01 mounted on a printed circuit board, it might lead an internal damage in E5771-01. Therefore, please take care to see the polarity of high voltage and correct electro-connections before operation.
- Also, if short-circuit should be produced by mistake or something among pin#1 to #11 in operation, it may lead an internal Damage in E5771-01.
- The specifications described herein are subject to change without notice.

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