

The E10679-02 and E10679-51 are D-type socket assemblies for the R9880U series metal package photomultiplier tubes.

The E10679-02 has an output cable, while the E10679-51 has an output pin for mounting on a circuit board.

### FEATURES

- Cable output and pin output
- Compact and lightweight



Left: E10679-02, Right: E10679-51

### SPECIFICATIONS

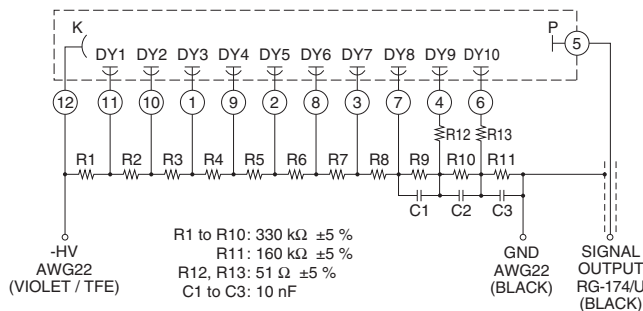
Parameter	E10679-02	E10679-51	Unit
Grounded electrode / supply voltage polarity	Anode / Negative	Anode / Negative · Cathode / Positive	—
Max. insulation voltage between case and terminals	1100		V
Max. supply voltage between power supply terminals	1100		V
Max. voltage divider current (at max. power supply voltage)	0.32		mA
Power consumption (at max. power supply voltage)	350		mW
Insulation resistance between case and terminals	Min.	$1 \times 10^{11}$	$\Omega$
Leakage current in signal (at -1000 V)	Max.	$1 \times 10^{-10}$	A
Total voltage divider resistance	3.46		M $\Omega$
Max. linear output in DC mode (at max. power supply voltage) <sup>(A)</sup>	16		$\mu$ A
Signal output	DC/Pulse		—
Operating ambient temperature <sup>(B)</sup>	0 to +50		$^{\circ}$ C
Storage temperature <sup>(B)</sup>	-15 to +60		$^{\circ}$ C
Weight	17	4.8	g

NOTE: (A) In the range that the output linearity is kept within  $\pm 5\%$ .

(B) No condensation

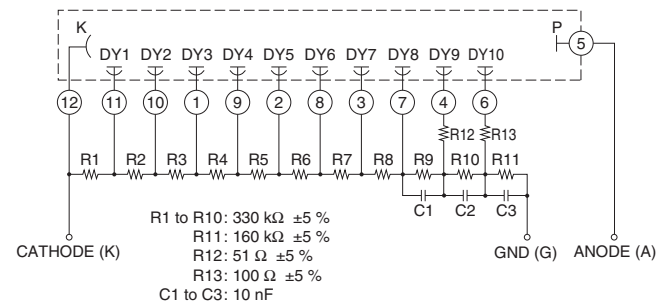
### CIRCUIT DIAGRAMS

E10679-02



TACCC0165EB

E10679-51



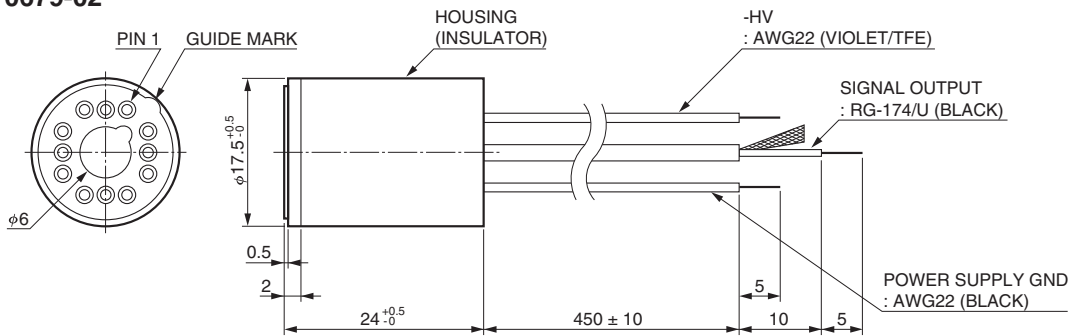
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To supply +HV, connect the pin (G) to +HV, and the pin (K) to the GND.

# D TYPE SOCKET ASSEMBLIES E10679-02, E10679-51

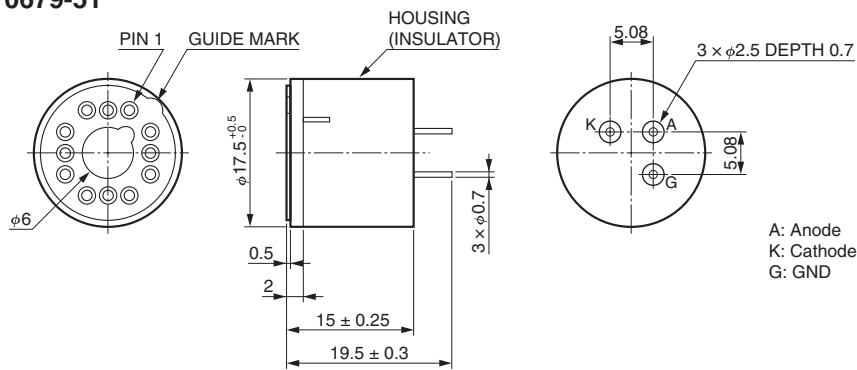
## DIMENSIONAL OUTLINE (Unit: mm)

### E10679-02



\* E10679-02 with SHV / BNC connector type (E10679-03) is also available.

### E10679-51



TACCA0299ED

## RELATED PRODUCTS

### HIGH VOLTAGE POWER SUPPLIES

Parameter	C13890-15	C13890-55	C10940-03	C10940-53	C14210-14	Unit
Input voltage	+11 to +16		+5		+3 to +5	V
Input current with full load	125		230		235	mA
Output voltage	0 to -1250	0 to +1250	-10 to -1200	-10 to +1200	0 to -1100	V
Max. output current	0.6				0.4	mA
Dimensions (W × H × D)	46 × 24 × 12		15 × 18 × 15		15 × 7 × 15	mm
Weight	29		7.7		4	g
Operating ambient temperature	0 to +50					°C
Operating ambient humidity	Below 80 (No condensation)					%



C13890-15



C10940-03



C14210-14

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HAMAMATSU PHOTONICS K.K., Electron Tube Division

314-5, Shimokanzo, Iwata City, Shizuoka Pref., 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205

U.S.A.: Hamamatsu Corporation: 360 Foothill Road, Bridgewater, NJ 08807, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com

Germany: Hamamatsu Photonics Deutschland GmbH.: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-265-8 E-mail: info@hamamatsu.de

France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10 E-mail: info@hamamatsu.fr

United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Hertfordshire AL7 1BW, UK, Telephone: (44)1707-294888, Fax: (44)1707-325777 E-mail: info@hamamatsu.co.uk

North Europe: Hamamatsu Photonics Norden AB: Torshamnsgatan 35 16440 Kista, Sweden, Telephone: (46)8-509 031 00, Fax: (46)8-509 031 01 E-mail: info@hamamatsu.se

Italy: Hamamatsu Photonics Italia S.r.l.: Strada della Moia, 1 int. 6, 20020 Arese (Milano), Italy, Telephone: (39)02-93 58 17 33, Fax: (39)02-93 58 17 41 E-mail: info@hamamatsu.it

China: Hamamatsu Photonics (China) Co., Ltd.: 1201 Tower B, Jiaming Center, 27 Dongsanhuan Beilu, Chaoyang District, 100020 Beijing, P.R.China, Telephone: (86)10-6586-6006, Fax: (86)10-6586-2866 E-mail: hpc@hamamatsu.com.cn

Taiwan: Hamamatsu Photonics Taiwan Co., Ltd.: 8F-3, No.158, Section2, Gongdao 5th Road, East District, Hsinchu, 300, Taiwan R.O.C. Telephone: (886)3-659-0080, Fax: (886)3-659-0081 E-mail: info@hamamatsu.com.tw

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