

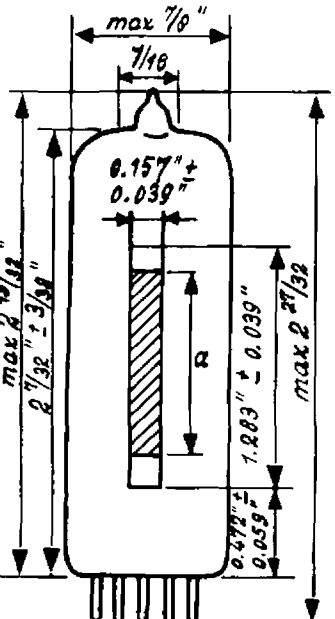
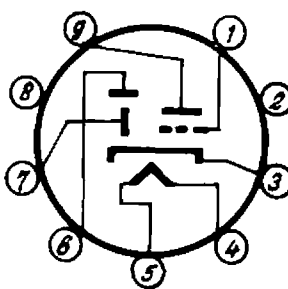
Rogers Electronic Tubes & Components

6 FG 6

Description: Indicator tube with amplifying triode for use as tuning indicator or for modulation control

Mechanical data

Cathode	coated, unipotential
Base	E9-1
Bulb	T6 ¹ / ₂
Outline	see drawing
Basing	see drawing
Mounting position	any

<u>TUBE OUTLINE</u>	<u>BOTTOM VIEW</u> <u>OF BASE</u>	<u>BASE PIN</u> <u>No.</u>	<u>ELEMENT</u>
		1 Triode grid 2 Internally connected 3 Cathode 4 Heater 5 Heater 6 Target 7 Deflection electrode 8 Internally connected 9 Triode plate	

Heater data

Heater voltage	6.3 volts
Heater current	270 mamps

Ratings (Design center values)

Deflection electrode voltage without current	550 volts max.
Deflection electrode voltage	300 volts max.
Target voltage without current	550 volts max.
Target voltage	300 volts max. 150 volts min.
Triode plate dissipation	0.5 watt max.

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Ratings (Design center values)

Cathode current	3 mamps max.
Triode grid circuit resistance	3 megohms max.
Voltage between heater and cathode	100 volts max.
Bulb temperature	120 °C max.

Operating characteristics (Deflection electrode connected to triode plate)

Supply voltage	250	volts
Target voltage	250	volts
Plate and deflection electrode resistor	0.47	megohm
Grid resistor	3	megohms
Grid supply voltage	0 -22	volts
Plate and deflection electrode current	0.45	0.06 mamp
Target current	1.1	1.6 mamps
Length (a) of dark part of pattern (see Tube outline)	0.83" ± 0.20 "	0"
Length (a) of dark part of pattern when grid resistor=0Ω	0.94" ± 0.20 "	

