

*Excellence in Electronics***TYPE
CK5884**

The CK5884 is a subminiature space-charge grid electrometer tube employing dual control grids and dual anodes designed primarily for use in balanced circuits for the measurement of extremely low current values.

MECHANICAL DATAENVELOPE: T-2X3 GlassBASE: Pinch Press (0.016" dia. tinned flexible leads.

Length: 1.5" min. *

Spacing: 0.048" center-to-center.)

TERMINAL CONNECTIONS: (Red Dot is adjacent to lead 1)

Lead 1 Plate, Unit #2	Lead 4 Space Charge Grid
Lead 2 Control Grid, Unit #2	Lead 5 Plate, Unit #1
Lead 3 Filament, Positive	Lead 6 Filament, Negative
Top Lead Control Grid, Unit #1	

MOUNTING POSITION: Any**ELECTRICAL DATA**RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltages (dc)	1.25 ± 20% volts
Plate Voltage	25 volts
Space Charge Grid Current	275 μ Adc
Cathode Current	500 μ Adc

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

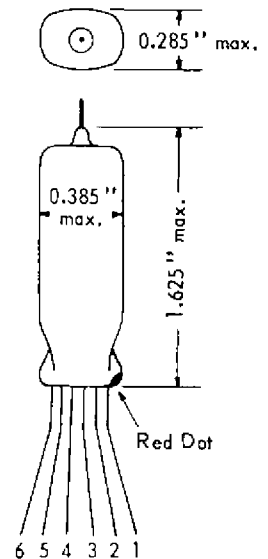
Filament Voltage (dc)	1.25 volts
Filament Current	10 ma.
Plate Voltage	10.0 volts
Space-Charge Grid Current	100 μ a.
Control Grid Voltage	-5.0 volts
Plate Current, per Plate	100 μ a.
Amplification Factor, each Unit	1.05
Transconductance, each unit	23 μ mhos
Grid Current (Nominal)	1 x 10 ⁻¹⁴ amp.

OPERATION:

For operation at low current levels, top grid lead should be used as input grid. Envelope should be cleaned with methyl alcohol and allowed to dry thoroughly after which care should be taken to avoid contamination of the bulb by dirt or fingerprints. For best stability the tube should be operated in an electrostatic shield, and a dark enclosure to minimize photo-electron emission from the control grid and should be operated for a sufficiently long stabilizing period.

* Excepting Top Lead which is 0.375" min. from top of bulb.

These data identify a particular developmental tube design and the tube designation or the descriptive data may be subject to change or abandonment.



from JETEC release #1961, July 1, 1957

Objective Data

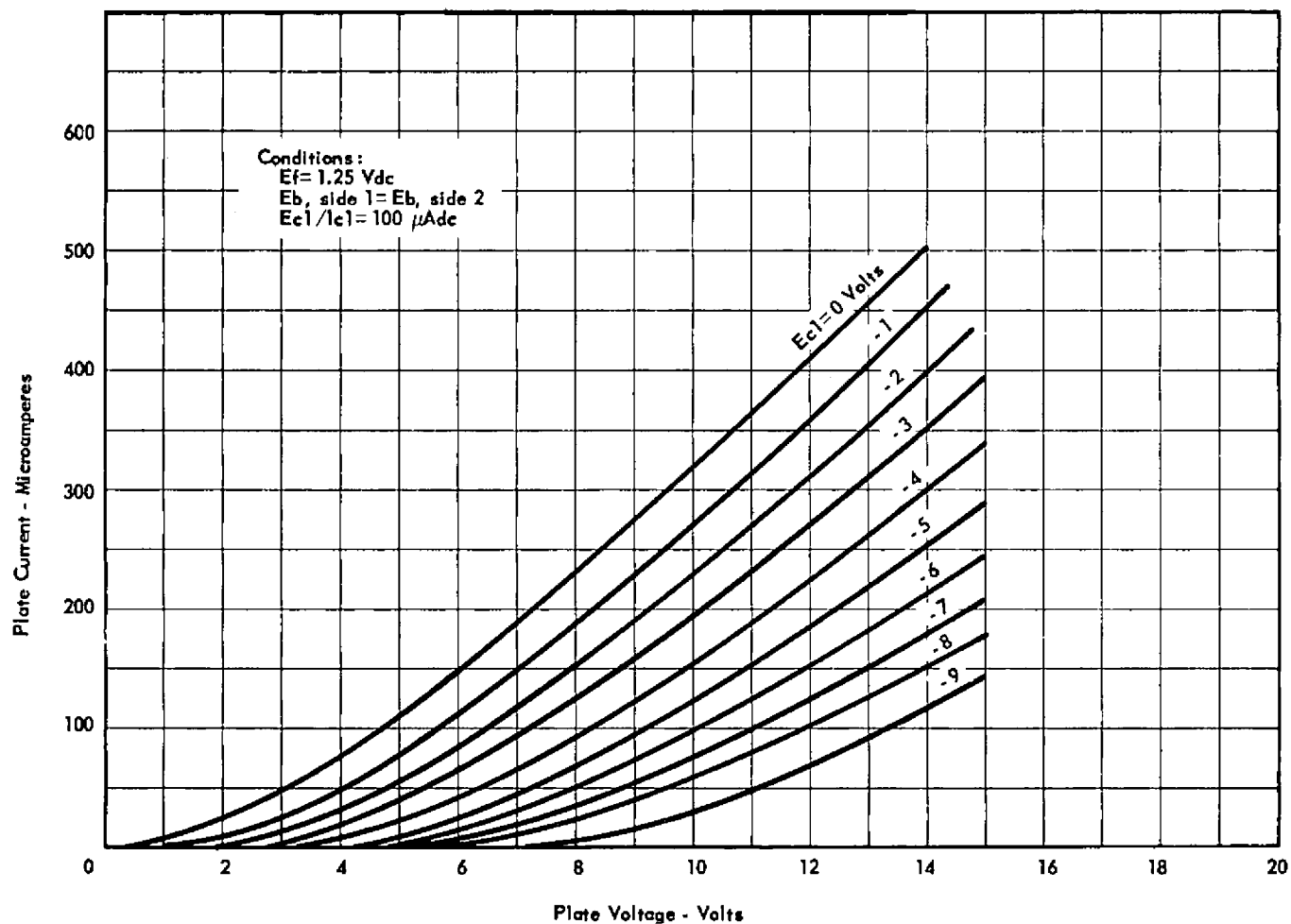
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SUBMINIATURE ELECTROMETER TUBE

AVERAGE PLATE CHARACTERISTICS



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