

*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)
Plate Voltage
Space Charge Grid Current
Cathode Current

1.25 ± 20% volts
25 volts
275 μ Adc
500 μ Adc

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)
Filament Current
Plate Voltage
Space-Charge Grid Current
Control Grid Voltage
Plate Current, per Plate
Amplification Factor, each Unit
Transconductance, each unit
Grid Current (Nominal)

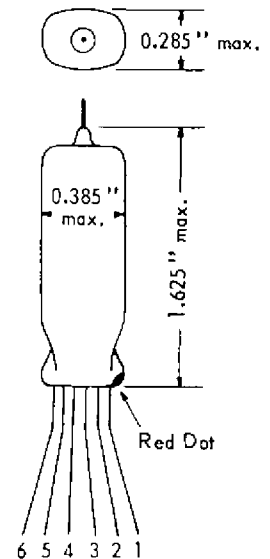
1.25 volts
10 ma.
10.0 volts
100 μ a.
-5.0 volts
100 μ a.
1.05
23 μ mhos
1 x 10⁻¹⁴ amp.

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

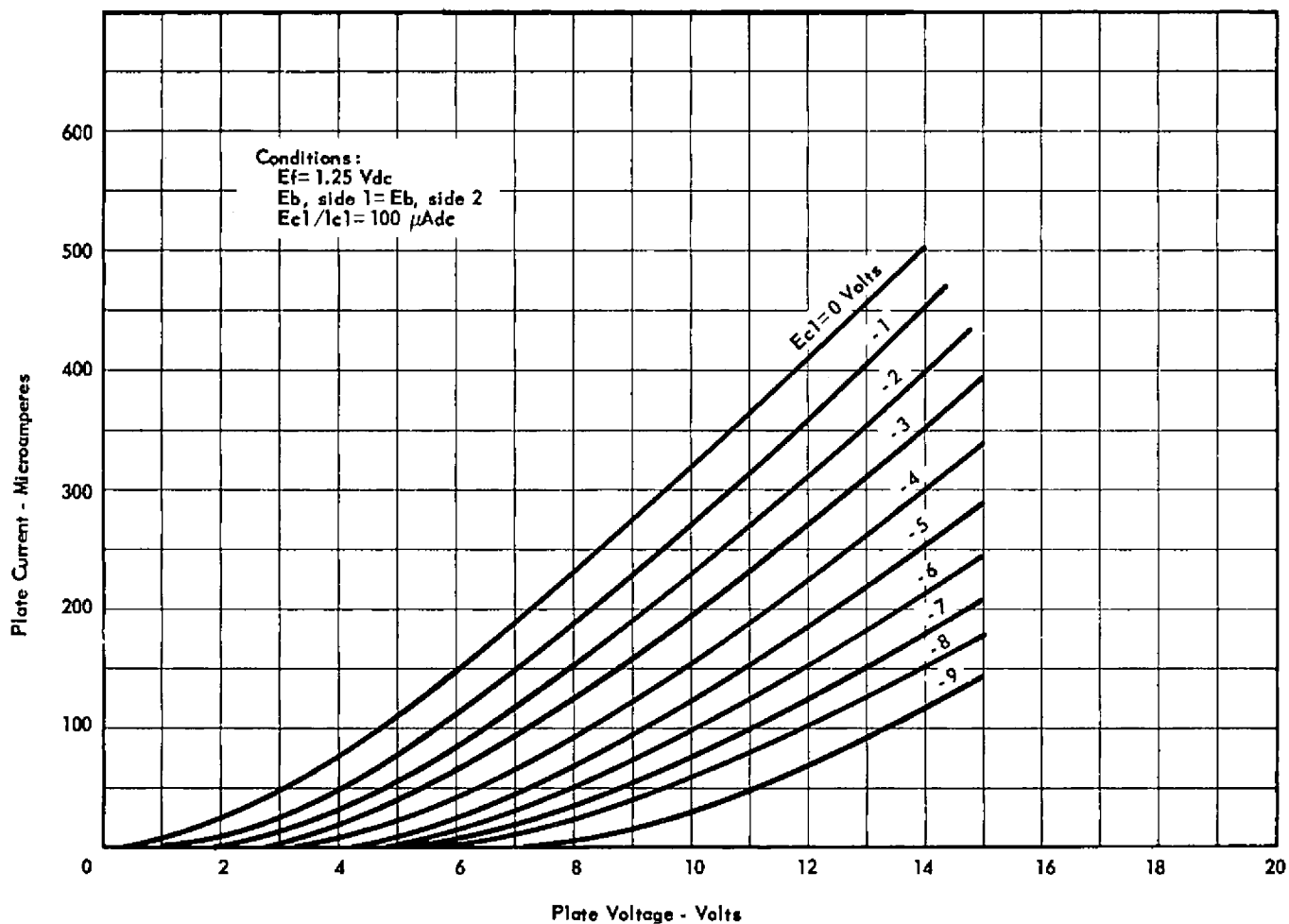
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SUBMINIATURE ELECTROMETER TUBE

AVERAGE PLATE CHARACTERISTICS



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