RAYTHEON

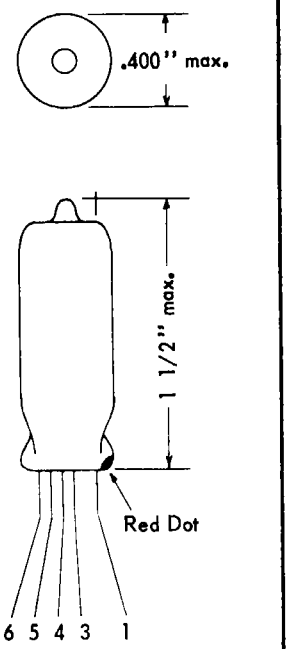
TECHNICAL INFORMATION

SUBMINIATURE TRIODE

Excellence in Electronics

TYPE CK5703

The CK5703 is a subminiature, low mu, cathode type triode useful as an ultra–high frequency oscillator up to approximately 800 megacycles. It is particularly useful in applications requiring extreme economy of space, weight and RF conductor length. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard subminiature sockets may be used by cutting the leads to a suitable length.



MECHANICAL DATA

ENVELOPE: T–3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: Leads 1–3= 0.096" center–to–center;
Other leads 0.048" center–to–center.)

TERMINAL CONNECTIONS: *(Red dot is adjacent to lead 1)*

Pin 1 Plate	Pin 5 Grid
Pin 3 Heater	Pin 6 Cathode
Pin 4 Heater	

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: ($\mu\mu$fds.)

	Shielded*	Unshielded
Grid to Plate	1.15	1.20
Grid to Cathode	2.7	2.6
Plate to Cathode	2.1	0.7

RATINGS–ABSOLUTE MAXIMUM VALUES:

Heater Voltage	6.3 ± 10% volts
Plate Voltage	275 volts
Plate Dissipation (Open Air)	3.3 watts
Cathode Current	22 ma.
Grid Current	5.5 ma.
Heater–to–Cathode Voltage	100 volts

CHARACTERISTICS AND TYPICAL OPERATION:

Heater Voltage	6.3 volts
Heater Current	200 ma.
Plate Voltage	120 volts
Cathode Bias Resistance	220 ohms
Plate Current	9 ma.
Transconductance	5000 μmhos
Amplification Factor	25

* *With cylindrical shield (0.40" inside diameter by 1 7/8" long) connected to cathode.*

Printed in U.S.A.

Tentative Data

RAYTHEON MANUFACTURING COMPANY

RECEIVING TUBE DIVISION • CATHODE RAY TUBE OPERATIONS

February 15, 1957 NEWTON 58, MASS.

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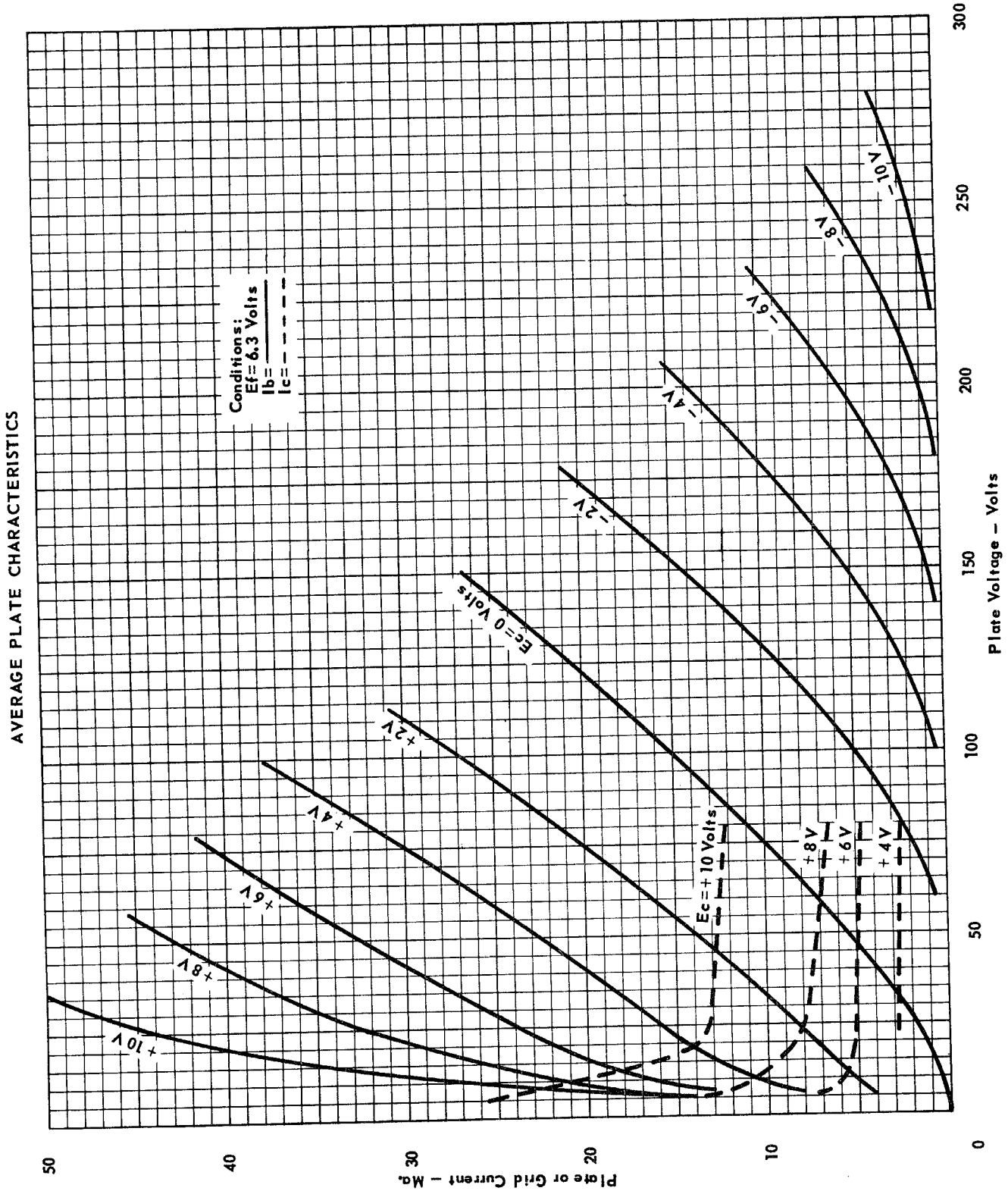

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