

ELECTRONIC TUBE REFERENCE

1C3

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Directly heated medium-mu triode for low-power Class A amplifier service in receiving and general small-signal electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5CF	BASE PINS	—
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

5CF - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — P	A	P — Plate (Anode)	CONNECTED
PIN2 — IS	A	IS — Internal Screen	CONNECTED
PIN3 — H	—	H — Heater	CONNECTED
PIN4 — H	—	H — Heater	CONNECTED
PIN6 — G1	A	G1 — Control Grid	CONNECTED
PIN7 — K	A	K — Cathode	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	19000 Ω
TRANSCONDUCTANCE	0.00076 S
AMPLIFICATION FACTOR	14.5
MAXIMUM PLATE VOLTAGE	110 V
<i>Promoted from the printed condensed-manual maximum/characteristic columns; operating-point values are retained in TUBE_SECTION_PARAMETER.</i>	

Directly heated medium-mu triode for low-power Class-A amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	0.9 pF	Section1
Output capacitance	4.2 pF	Section1
Grid-to-plate capacitance	1.8 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA
Control-grid voltage	-3 V	ClassA
Plate current	1.4 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	19000 Ω	ClassA
Transconductance	760 μS	ClassA
Amplification factor	14.5	ClassA

TUBE TINKER

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and their source documents.

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