



ELECTRONIC TUBE REFERENCE

6533

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

French CGT 6533 rugged low-microphonic indirectly heated subminiature high-mu audio-voltage triode for military and professional low-level signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	30000 Ω
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	54
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	0.5 W
<i>French CGT 6533 antimicrophonic subminiature triode, 1958. Max plate 150 V, dissipation 0.5 W, plate current 25 mA, grid negative magnitude 55 V, grid resistance 1.2 MΩ, heater-cathode ± 200 V, bulb max 220°C. Class A typical V_a 120 V, R_k 1500 Ω, I_a 0.92 mA, μ 54 (range 48–60), r_p 30000 Ω, g_m approx 0.0018 A/V (acceptance 1.58–1.92 mA/V). Unshielded C_{gp} 1.6 pF (1.2–2), input 1.75 pF (1.3–2.2), output 0.6 pF (0.4–0.8). Shock 450 g, vibration 2.5 g, 2000 heater cycles.</i>	

The 6533 is a rugged subminiature high-mu AF voltage-amplifier triode with low microphonic noise for weak-signal amplification.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	200 mA	—
Grid-to-Plate Capacitance	1.6 pF	—
Input Capacitance	1.75 pF	—

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