



ELECTRONIC TUBE REFERENCE

5677

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

5677 directly heated 1.25 V 60 mA subminiature medium-mu triode for low-power voltage amplification, with mu 13.5 and gm 0.65 mA/V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5677	BASE PINS	5
NOMINAL HEATER	1.25 V / 60 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.00065 S
AMPLIFICATION FACTOR	13.5
MAXIMUM PLATE VOLTAGE	135 V
<i>GE Essential Characteristics 5677 directly heated subminiature triode, 1.25 V 0.06 A filament, maximum plate 135 V. Typical Class A at plate 135 V, grid -6 V, Ia 1.9 mA, gm 0.00065 A/V, mu 13.5. Direct capacitances input 1.3 pF, output 3.8 pF, grid-plate 2.0 pF. No verified plate resistance or maximum dissipation.</i>	

Directly heated subminiature medium-mu triode for 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	1.3 pF	—
Output Capacitance	3.8 pF	—
Grid-to-Plate Capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	135 V	ClassA
Grid Voltage	-6 V	ClassA
Plate Current	1.9 mA	ClassA