

ELECTRONIC TUBE REFERENCE

1SA6GT

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated battery pentode designed specifically for intermediate-frequency amplifier stages in portable receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6BD	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	600000 Ω
TRANSCONDUCTANCE	0.00095 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM CATHODE CURRENT	6 mA
IF pentode intended for battery-operated intermediate-frequency amplifier stages.	

IF pentode intended for battery-operated intermediate-frequency amplifier stages. Electrical ratings and representative operating data were extracted from the approved manual page.

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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	5.2 pF	—
Output capacitance	8.6 pF	—
Grid-to-plate capacitance	0.01 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	ClassA; OperatingPoint1
Screen voltage	67.5 V	ClassA; OperatingPoint1
Control-grid bias	0 V	ClassA; OperatingPoint1
Plate current	2.45 mA	ClassA; OperatingPoint1
Screen current	0.68 mA	ClassA; OperatingPoint1