



ELECTRONIC TUBE REFERENCE

1H6GT

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

GT-envelope directly heated double-diode triode for detector, AVC, and audio voltage amplification in battery receivers. Two diodes provide signal and control rectification while the triode supplies subsequent gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AA	BASE PINS	7
NOMINAL HEATER	2 V / 60 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Published handbook maximum ratings and representative operating characteristics reviewed.

SECTION2 Diode

No fixed ratings recorded.

Published handbook maximum ratings and representative operating characteristics reviewed.

SECTION3 Triode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.000575 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	135 V
<i>Published handbook maximum ratings and representative operating characteristics reviewed.</i>	

1H6GT is listed as a duplex-diode medium-mu triode in the supplied receiving-tube handbook. It uses a 2.0 V, 0.06 A directly heated filament. The handbook publishes maximum ratings and representative operating characteristics for its intended service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 3 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	135 V	Triode; ClassA

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	0.8 mA	Triode; ClassA

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	3.5 pF	Triode



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 3 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	135 V	Published handbook rating
Plate voltage	135 V	ClassA
Control-grid voltage	3 V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	0.8 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	35000 ohm	Published handbook characteristic
Transconductance	575 μ S	Published handbook characteristic
Amplification factor	20	Published handbook characteristic
Filament voltage	2 V	DirectlyHeated DC filament
Filament current	60 mA	DirectlyHeated DC filament