

ELECTRONIC TUBE REFERENCE

1H5GT

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

CONSOLIDATED TECHNICAL DATA

2 SECTIONS
CONSTRUCTION
DIODE-TRIODE

GT-envelope battery diode-triode combining signal detection with high-mu voltage amplification. The diode performs detector action while the triode provides substantial subsequent gain from an economical low-voltage filament.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5Z	BASE PINS	7
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode	
No fixed ratings recorded.	
Minimum diode current 0.5 mA with 10 V DC applied.	
SECTION2 Triode	
PLATE RESISTANCE	240000 Ω
TRANSCONDUCTANCE	0.000275 S
AMPLIFICATION FACTOR	65
MAXIMUM PLATE VOLTAGE	110 V
High-mu triode unit.	

1H5GT is listed as a diode high-mu triode in the supplied receiving-tube handbook. It uses a 1.4 V, 0.05 A directly heated filament. The handbook publishes maximum ratings and representative operating

characteristics for its intended service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

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

1948 BRIMAR RADIO VALVE MANUAL

Section 1 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Detector diode	—

1948 BRIMAR RADIO VALVE MANUAL

Section 2 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Voltage amplifier	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	TriodeSection
Plate Current	0.15 mA	TriodeSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	275 μ S	TriodeSection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	240000 ohm	TriodeSection
Amplification Factor	65	TriodeSection


SOURCE DATA APPENDIX

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 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	110 V	Published handbook rating
Plate voltage	90 V	ClassA
Control-grid voltage	0 V	ClassA
Plate current	0.15 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	240000 ohm	Published handbook characteristic
Transconductance	275 μ S	Published handbook characteristic
Amplification factor	65	Published handbook characteristic
Filament voltage	1.4 V	DirectlyHeated DC filament
Filament current	50 mA	DirectlyHeated DC filament


SOURCE DATA APPENDIX

1961 Tung Sol

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

1961 TUNG SOL

Section 2 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Diode Current	0.5 mA	DiodeVoltage=10V

TUBE TINKER

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