



ELECTRONIC TUBE REFERENCE

6C5G

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Glass-envelope general-purpose triode for amplifier and detector service in radio receiving equipment, combining voltage amplification with detector capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	10000 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
<i>Electrical section reconstructed from published ratings/characteristics; transconductance promoted in A/V.</i>	

General-purpose triode amplifier/detector.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	250 V	Published table
//	39 V	ClassA; Column1
//	4415 V	ClassA; Column2
//	250 V	ClassA; Column3
Plate Resistance	10000 ohm	ClassA
acml.Mss Transconductance	2000 uS	ClassA
Plate Supply Voltage	250 V	ClassA
Grid Bias (approximate)	-5 V	ClassA
Plate Resistor	50000 ohm	ClassA; Column1
Plate Resistor	10000 ohm	ClassA; Column2
Plate Current	1 mA	ClassA
vVoltage Output (	5 V	ClassA; Column1
vVoltage Output (	42 V	ClassA; Column2
Plate Voltage	250 V	ClassA
Plate Current Adjusted to	0.2 mA	ClassA
Plate Voltage	45 V	ClassA; Column1
Plate Voltage	100 V	ClassA; Column2
Grid Leak Resistance	0.1 ohm	ClassA; Column1
Grid Leak Resistance	1 ohm	ClassA; Column2

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	250 V	—
Anode Current	8 mA	—
Control Grid Voltage	-8 V	—



SOURCE DATA APPENDIX

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 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Plate Current	8 mA	—
Control Grid Voltage	-8 V	—