



ELECTRONIC TUBE REFERENCE

1B525S

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

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Directly heated dual-diode triode for detector, AVC and audio amplifier service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION0 Triode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.000575 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	135 V
Triode Class A: V_a 135 V, V_g -3 V, I_a 0.8 mA.	

SECTION1 Diode	
No fixed ratings recorded.	
First independent signal diode detector, common directly heated filament.	

SECTION2 Diode

No fixed ratings recorded.

Second independent signal diode detector/AVC, common directly heated filament.

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 0 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	3.8 pF	Triode grid to plate
Input capacitance	2 pF	Triode input
Output capacitance	3 pF	Triode output

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	Class A triode
Heater/filament voltage	2 V	Filament voltage
Heater/filament current	60 mA	Filament current

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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