



ELECTRONIC TUBE REFERENCE

1LD5

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-PENTODE

Battery diode-pentode combining signal detection with relatively high-gain voltage amplification. The diode supplies detector action while the pentode provides subsequent gain from low-voltage portable receiver supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6AX	BASE PINS	8
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.

Diode detector section; maximum diode drop 10 V at 0.5 mA.

SECTION2 Pentode

PLATE RESISTANCE	750000 Ω
TRANSCONDUCTANCE	0.000875 S
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	40 V

Pentode audio-amplifier section.

1LD5 is listed as a diode sharp-cutoff pentode 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](#)

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	110 V	Published handbook rating
Maximum screen voltage	45 V	Published handbook rating
Plate voltage	90 V	ClassA
Screen voltage	45 V	ClassA
Control-grid voltage	0 V	ClassA
Plate current	0.6 mA	ClassA
Screen current	0.1 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	750000 ohm	Published handbook characteristic
Transconductance	575 μ S	Published handbook characteristic
Filament voltage	1.4 V	DirectlyHeated DC filament
Filament current	50 mA	DirectlyHeated DC filament

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDiodeDrop	10 V	DiodeCurrent=0.5mA

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