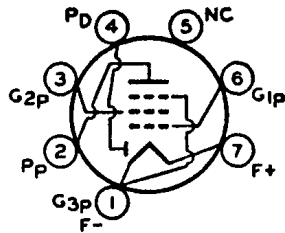


This section contains technical descriptions of tubes that have been recently added to the RCA line. Recently added picture tubes are included in the revised PICTURE TUBE CHARACTERISTICS CHART given on pages 296 to 301.

DIODE— SHARP-CUTOFF PENTODE

1DN5



Miniature type used in battery-operated portable radio receivers as combined AM detector and af voltage amplifier. Outline 11, OUTLINES SECTION. Tube requires miniature

seven-contact socket and may be mounted in any position. For filament considerations, refer to type 1U4.

FILAMENT VOLTAGE (DC).....	1.4	volts
FILAMENT CURRENT.....	0.05	ampere
DIRECT INTERELECTRODE CAPACITANCE:		
Diode Plate to Pentode Grid No. 1.....	0.04	μf

Maximum Ratings: PENTODE UNIT AS CLASS A₁ AMPLIFIER

PLATE VOLTAGE.....	90 max	volts
GRID-No.2 (SCREEN-GRID) VOLTAGE.....	90 max	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Negative bias value.....	-50 max	volts
Positive bias value.....	0 max	volts
CATHODE CURRENT.....	3 max	ma

Characteristics:

Plate Voltage.....	67.5	volts
Grid-No.2 Voltage.....	67.5	volts
Grid-No.1 Voltage.....	0	volts
Plate Resistance (Approx.).....	0.6	megohm
Transconductance.....	630	μmhos
Grid-No.1 Voltage (Approx.) for transconductance of 10 μmhos	-11.5	volts
Plate Current.....	2.1	ma
Grid-No.2 Current.....	0.55	ma

Maximum Circuit Value:

Grid-No.1-Circuit Resistance.....	3.3	megohms
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AVERAGE CHARACTERISTICS
PENTODE UNIT

