



ELECTRONIC TUBE REFERENCE

LCF80

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Miniature triode-pentode used for frequency-changing service in television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	400000 Ω
TRANSCONDUCTANCE	0.0062 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE DISSIPATION	1.7 W
MAXIMUM CATHODE CURRENT	14 mA
<i>Published ratings, characteristics, typical operation, rectifier/regulator data, and capacitances reviewed.</i>	

SECTION2 Pentode	
MAXIMUM PLATE DISSIPATION	1.2 W
<i>Published ratings, characteristics, typical operation, rectifier/regulator data, and capacitances reviewed.</i>	

Miniature type used in frequency-changer service in television receivers. Outlines section, 6B; requires 9DC miniature 9-contact socket. : : 362 RCA Receiving Tube Manual

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (ac/dc)	6 volts	Published value from supplied target entry
Heater Current	0.45 ampere	Published value from supplied target entry
Plate Supply Voltage	550 volts	Published value from supplied target entry
Plate Voltage	250 volts	Published value from supplied target entry
Grid-No	550 volts	Published value from supplied target entry
Grid-No	2	Published value from supplied target entry
With cathode current of	175 mA	Published value from supplied target entry
With cathode current less than	200 mA	Published value from supplied target entry
Cathode Current	14 mA	Published value from supplied target entry
Plate Dissipation	1.7 watts	Published value from supplied target entry
With plate dissipation greater than	0.5 watts	Published value from supplied target entry
With plate dissipation less than	0.75 watts	Published value from supplied target entry
Plate Voltage	170 volts	Published value from supplied target entry
Grid-No	170	Published value from supplied target entry
Grid-No	-2 volts	Published value from supplied target entry
Amplification Factor	20	Published value from supplied target entry
Plate Resistance (Approx.)	0.4 megohm	Published value from supplied target entry
Transconductance	6200	Published value from supplied target entry
Plate Current	10 mA	Published value from supplied target entry
Grid-No	2.8 mA	Published value from supplied target entry

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Resistance at frequency of	0.01 megohm	Published value from supplied target entry
Grid-No	1	Published value from supplied target entry
Heater Voltage (ac/dc)	10.9 volts	Published value from supplied target entry
Heater Warm-up Time	11 seconds	Published value from supplied target entry

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Heater-Cathode Voltage ±	100 volts	Published value from supplied target entry

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Plate	2.8 pF	Published value from supplied target entry
Plate to Cathode, Heater, Grid No	3	Published value from supplied target entry
Triode Grid to Pentode Plate	0.015 pF	Published value from supplied target entry
Pentode Plate to Triode Plate	0.17 pF	Published value from supplied target entry