

ELECTRONIC TUBE REFERENCE

LCL85

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Triode/power-pentode combination for television sync amplification and video-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9LY	BASE PINS	9
NOMINAL HEATER	18 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

9LY - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1	B	P – Plate (Anode)	CONNECTED
PIN2	B	G1 – Control Grid	CONNECTED
PIN3	B	K – Cathode	CONNECTED
PIN4	–	H – Heater	CONNECTED
PIN5	–	H – Heater	CONNECTED
PIN6	A	P – Plate (Anode)	CONNECTED
PIN7	A	G2 – Screen Grid	CONNECTED
PIN8	A	G3 – Suppressor Grid	CONNECTED
PIN8	A	K – Cathode	CONNECTED
PIN8	–	IS – Internal Screen	CONNECTED
PIN9	A	G1 – Control Grid	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7600 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	0.5 W
<i>Published ratings and characteristics extracted from the approved RCA source. Pulse-only ratings remain parameter rows unless explicitly continuous.</i>	

SECTION2 Pentode	
PLATE RESISTANCE	25000 Ω
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	75 mA
<i>Published ratings and characteristics extracted from the approved RCA source. Pulse-only ratings remain parameter rows unless explicitly continuous.</i>	

Miniature type used for sync-amplifier and video-out- 9LY put applications in television receivers. Outlines section, 6G; requires miniature 9-contact socket. Types 9GV8/XCL85, 10GV8/ LCL85, and 18GV8/PCL85 are identical with type 6GV8/ECL85 except for heater ratings. 6GV8/ 9GV8/ 10GV8/ 18GV8/ ECL85 XCL85 LCL85 PCL85

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/de)	18 volts	Published value from supplied target entry
Heater Current	0.3 ampere	Published value from supplied target entry
IMate Supply Voltage	550 volts	Published value from supplied target entry
Peak Plate Voltage	2000 volts	Published value from supplied target entry
DC Plate Voltage	250 volts	Published value from supplied target entry
Grid-No	550 volts	Published value from supplied target entry
Grid-No	250 volts	Published value from supplied target entry
Peak Cathode Current"	200 mA	Published value from supplied target entry
Average Cathode Current	75 mA	Published value from supplied target entry
Plate Dissipation	7 watts	Published value from supplied target entry
Plate Voltage	170 volts	Published value from supplied target entry
Grid-No	170 volts	Published value from supplied target entry
Grid-No	-15 volts	Published value from supplied target entry
Amplification Factor	50	Published value from supplied target entry
Plate Resistance (Appro*.)	-25000 ohms	Published value from supplied target entry
Plate Current	41 mA	Published value from supplied target entry
Grid-No	2.7 mA	Published value from supplied target entry
Grid-No	1	Published value from supplied target entry

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage ±	200	Published value from supplied target entry