



ELECTRONIC TUBE REFERENCE

6CH3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Novar damper tube designed for horizontal-deflection circuits in color and black-and-white television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 1.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	6.5 W
PEAK INVERSE VOLTAGE	5500 V
NOMINAL OUTPUT CURRENT	350 mA
PEAK FORWARD CURRENT	2.1 A
FORWARD VOLTAGE DROP	25 V
WARM-UP TIME	11 s
<i>Published ratings, characteristics, typical-operation and capacitance data reviewed.</i>	

Novar type used as a damper tube in horizontal-deflection circuits of color and black-and-white television receivers.

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 · Rectifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Plate	1.5 pF	Published datasheet value
Grid to Cathode, Heater, and Pentode Grid No	2.4 pF	Published datasheet value
Plate to Cathode, Heater, and Pentode Grid No	1 pF	Published datasheet value
Plate to Cathode, Heater, Grid No	2	Published datasheet value
Pentode Plate to Triode Plate	0.008 pF	Published datasheet value
Heater to Cathode	6.5 pF	Published datasheet value
Plate to Cathode and Heater	6.5 pF	Published datasheet value
Cathode to Plate and Heater	9 pF	Published datasheet value
Heater to Cathode	3 pF	Published datasheet value
Plate to Cathode, Heater, Grid No	3	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Plate Voltage*	5500 volts	Published datasheet value
Peak Plate Current	2100 mA	Published datasheet value
Average Plate Current	350 mA	Published datasheet value
Plate Dissipation	6.5 watts	Published datasheet value
Tube Voltage Drop for plate current of	25 mA	Published datasheet value
Peak Inverse Plate Voltage#	5500 volts	Published datasheet value
Peak Plate Current	1300 mA	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Plate Current	250 mA	Published datasheet value
Plate Dissipation	8.5 watts	Published datasheet value
Tube Voltage Drop for plate current of	16 mA	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Heater-Cathode Voltage ±	100 volts	Published datasheet value