



ELECTRONIC TUBE REFERENCE

6BZ3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Duodecar half-wave vacuum rectifier designed as a television horizontal-deflection damper tube in color and monochrome receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12GA	BASE PINS	12
NOMINAL HEATER	6.3 V / 1.2 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	5000 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	1.2 A
FORWARD VOLTAGE DROP	26 V
WARM-UP TIME	11 s
TV damper	

Duodecar half-wave vacuum rectifier used as a damper tube in horizontal-deflection circuits of color and black-and-white television receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Steady-State Peak Plate Current	1200 mA	TVDamper



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (ac/dc) «.3 12.6	16.8 V	Published in approved 6BZ3 target datasheet entry; Section1
Heater Current 1.2 0.6	460 mA	Published in approved 6BZ3 target datasheet entry; Section1
Heater Warm-up Time (Average) – 11	11 seconds	Published in approved 6BZ3 target datasheet entry; Section1
Peak Inverse Plate Voltage*	5000 V	Published in approved 6BZ3 target datasheet entry; Section1
Peak Plate Current	1200 mA	Published in approved 6BZ3 target datasheet entry; Section1
Average Plate Current	200 mA	Published in approved 6BZ3 target datasheet entry; Section1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Dissipation	6.6 W	Published in approved 6BZ3 target datasheet entry; Section1
Peak value +300	-5000 V	Published in approved 6BZ3 target datasheet entry; Section1
Average value +100	-900 V	Published in approved 6BZ3 target datasheet entry; Section1
Tube Voltage Drop for dc plate current of	350 mA	Published in approved 6BZ3 target datasheet entry; Section1
Tube Voltage Drop for dc plate current of 350 mA	26 V	Published in approved 6BZ3 target datasheet entry; Section1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate to Cathode, and Heater	10 pF	Published in approved 6BZ3 target datasheet entry; Section1
Cathode to Heater, and Plate	8 pF	Published in approved 6BZ3 target datasheet entry; Section1
Heater to Cathode	3.4 pF	Published in approved 6BZ3 target datasheet entry; Section1

TUBE TINKER

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