



ELECTRONIC TUBE REFERENCE

25CG3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Compactron half-wave vacuum rectifier designed as a damper diode in television horizontal-deflection circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	25 V / 450 mA	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
WARM-UP TIME	11 s
Reference/equivalence-only sparse-source exception: damping-diode ratings/characteristics not reproduced.	

Half-wave vacuum rectifier used as a damper tube in television horizontal-deflection circuits.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Warm-up Time	11 s	Average



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 5 of 7

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

1971 RCA HB3 BINDER 5 OF 7

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	25 V	Nominal heater rating from supplied sheet
Heater current	450 mA	Nominal heater rating from supplied sheet
Warm-up time	11 s	Average warm-up time from supplied sheet



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Warm-up Time –	11 s	Other;PublishedValue1
Heater Warm-up Time –	11 s	Other;PublishedValue2
Peak Inverse Plate Voltage*	5000 V	MaximumRating
Peak Plate Current	2100 mA	MaximumRating
Average Plate Current	300 mA	MaximumRating;PublishedValue1
Average Plate Current	350 mA	MaximumRating;PublishedValue2
Plate Dissipation	6.5 W	MaximumRating
Peak value	-5000 V	MaximumRating
Average value	100 V	MaximumRating;PublishedValue1
Average value	900 V	MaximumRating;PublishedValue2
Tube Voitage Drop for plate current of	700 mA	MaximumRating;PublishedValue1
Tube Voitage Drop for plate current of	25 mA	MaximumRating;PublishedValue2
Peak Inverse Plate Voltage	6000 V	Section1;Promoted

TUBE TINKER

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