



ELECTRONIC TUBE REFERENCE

217C

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

RCA directly heated half-wave vacuum rectifier for transmitting power supplies. Its heavy filament and multi-kilovolt inverse-voltage capability suit professional high-voltage DC systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	7500 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	210 V
<i>Maximum ratings and characteristic constants promoted where reliably published in the approved sheet.</i>	

The RCA 217C is a half-wave vacuum rectifier for transmitting power supplies. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage _ 5500 max	7500 V	Peak Inverse Voltage _ 5500 max. 7500 max. Volts
Peak Plate Current_ 0.6 max	600 mA	Peak Plate Current_ 0.6 max. 0.6 max. Ampere
Average Plate Current .. 0.2 max	150 mA	Average Plate Current .. 0.2 max. 0.15 max. Ampere



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 United Electronics

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

1945 UNITED ELECTRONICS

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 V	—
Filament current	3.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	7500 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak plate current maximum	600 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	7500 V	Source rating

TUBE TINKER

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