



ELECTRONIC TUBE REFERENCE

CX381

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Cunningham directly heated half-wave rectifier for early radio power supplies. Its 7.5 V filament and moderate output capability provide conventional receiving-equipment AC-to-DC conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	85 mA
<i>Published ratings and characteristic constants promoted where applicable; operating recommendations retained as parameters.</i>	

CX381: Cunningham power-supply rectifier tube. The complete bulletin was read for construction, ratings, circuit recommendations, and operating characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1931 Cunningham Radio Tubes

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

1931 CUNNINGHAM RADIO TUBES

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/heater voltage	7.5 V	—
Filament/heater current	1.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse/anode AC voltage	700 V	—
DC output current	85 mA	—
AC input voltage	700 V	HalfWave
DC output current	85 mA	HalfWave
Approximate single-wave DC output voltage	600 V	HalfWave
Approximate full-wave DC output voltage	700 V	FullWave