

# RECTIFIER

## DESCRIPTION

The Nucor tube type 577 is a lightweight, rugged, compact, high vacuum rectifier. This tube is most suitable in applications where high inverse voltages and ambient temperatures preclude the use of mercury vapor and gas filled rectifier tubes. These characteristics make the Nucor tube type 577 particularly useful in airborne equipment. This tube is a miniaturized version of the 371B and may be directly electrically substituted.

## SPECIFICATIONS

### ELECTRICAL

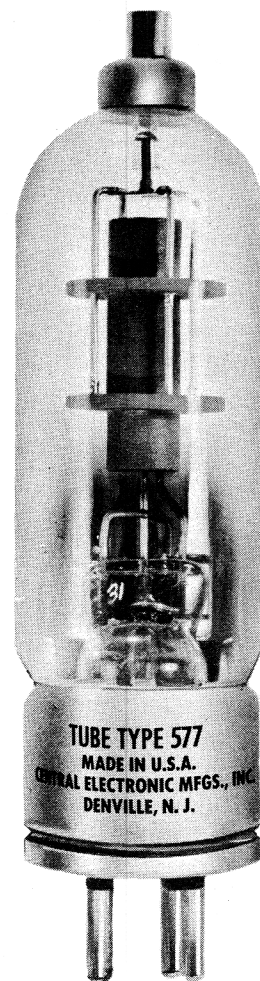
Filament ..... Thoriated tungsten  
Filament voltage ..... 5.0 volts ac  
Filament current ..... 10.3 amperes  
Peak inverse voltage ..... 25,000 volts max.  
Peak anode current ..... 1.5 amperes max.  
Average anode current ..... 0.300 ampere

### PHYSICAL

Overall length ..... 7.5 inches max.  
Overall diameter ..... 2.06 inches max.  
Bulb ..... T-16  
Cap ..... Small metal (C1-1) with ceramic insulator  
Base ..... Industrial 412 with metal shell  
Weight ..... 5 ounces  
Type of cooling ..... Radiation (air)

### OPERATING NOTES

Mount the Nucor tube type 577 tube vertically with adequate air space for ventilation. Anode temperature should not exceed 800°C. The base fits a standard 4 pin super jumbo wafer socket.



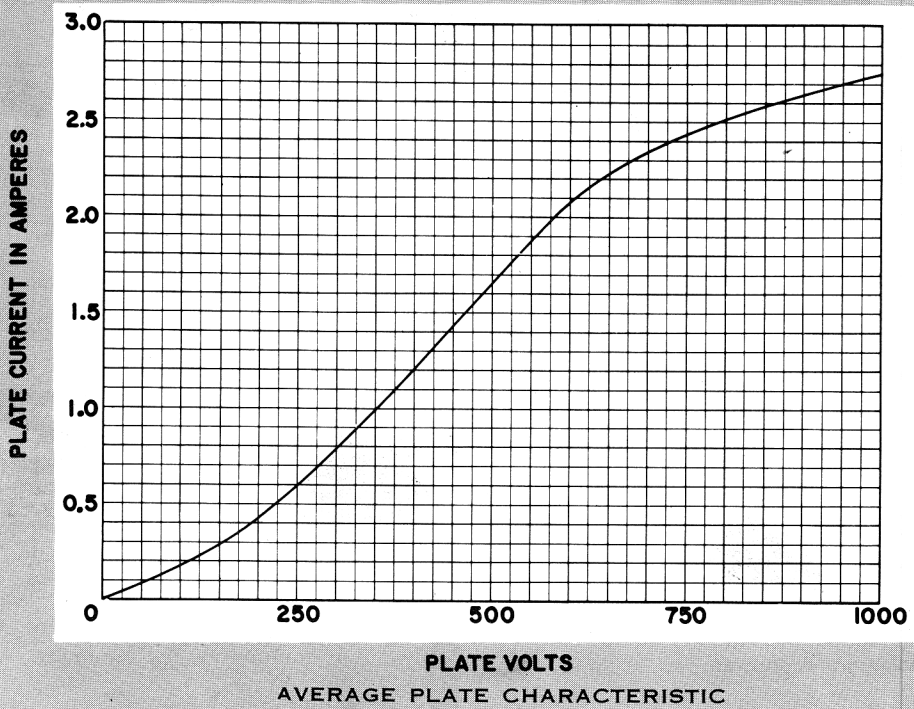
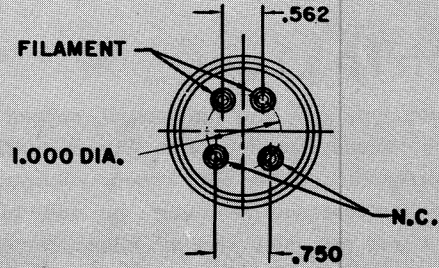
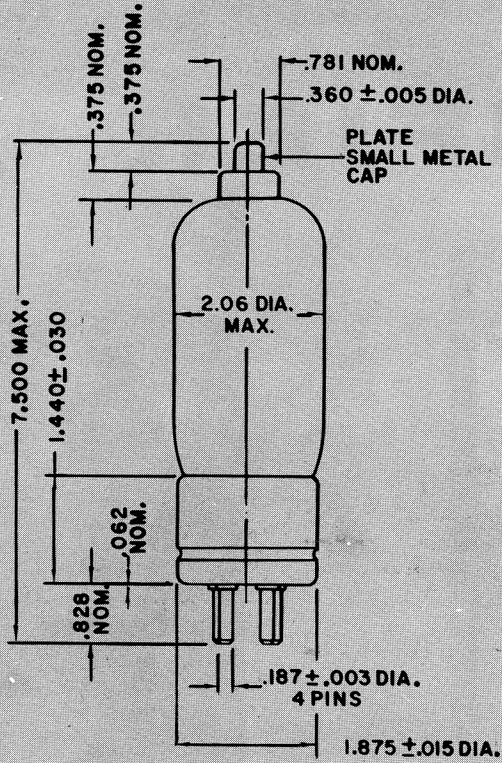
NUCOR  
RECTIFIER

TYPE  
**577**

# CENTRAL ELECTRONIC MANUFACTURERS

DENVILLE, NEW JERSEY

SUBSIDIARY OF NUCLEAR CORPORATION OF AMERICA



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