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 partic-
larly 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 amperes

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 tempera-
ture should not exceed 800°C. The base fits a stan-
dard 4 pin super jumbo wafer socket.
PLATE VOLTS
AVERAGE PLATE CHARACTERISTIC

PLATE CURRENT IN AMPERES

0 0.5 1.0 1.5 2.0 2.5 3.0
0 250 500 750 1000