

**CUSTOM
BUILT**

Tubes

866 JR.

(2B26)

HALF-WAVE

MERCURY VAPOR RECTIFIER

\$1.00



The 866 Jrs. fill a real need for intermediate power requirements. They are intended to be used as rectifiers in power supplies of from 500 to 1500 volts D.C. where the receiving type full-wave rectifiers will not stand up and where the power capabilities of the Heavy Duty 855's are not necessary. The smaller size of the 866 Jrs. is another feature that will prove to be of great advantage in the layout of compact power supplies.

Fil. Volts	2.5
Fil. Current, Ampe.	2.5
Peak Inverse Volts.....	5000
Peak Plate Current, ma.....	500
Av. Plate Current, ma.....	125
Tube Volt Drop, Approx.....	15
Max. Size 5 1/4 in. x 2 1/4	

UX Ceramic Base

Connect Plate Terminal to Usual Position Standard On All UX Bases

866 JR.

The 866 Jr. uses the multi-strand filament introduced by TAYLOR TUBES. The multi-strand filament construction used in TAYLOR rectifiers has twice the emitting surface of the nickel alloy ribbon type filaments used in ordinary rectifiers.

BLEEDER RESISTOR SPECIFICATIONS

Output Voltage	Resistance In Ohms	Actual Dissipated Power In Watts	Recommended Resistor Wattage Rating
500	25,000	10	25
1,000	50,000	20	50
1,500	75,000	25	50
2,200	100,000	40	100
3,000	200,000	45	100

A heavy-duty resistor should be connected across the output of a filter in order to draw some load current at all times. This resistor avoids soaring at no load when swinging choke input is used and also provides a means for discharging the filter condensers when no external vacuum-tube circuit load is connected to the filter. This bleeder resistor should normally draw approximately 10 per cent of the full load current. The above table gives suitable values of bleeder resistors for power supply systems with from 500 to 3000 volts output.