

TENTATIVE RATING AND CHARACTERISTICS TYPE 25Y5

This rectifier is similar to Type 25Z5 except that the plate cathode spacing has been increased to provide additional margin of safety for operation on voltages above 115. It is used exclusively for export and the type number was adopted prior to the decision to use the 2100 series to designate such tubes.

Since the tube is used for export only, no samples will be furnished.

|                              |             |
|------------------------------|-------------|
| Heater Voltage (a-a or d-a)  | 25.0 volts  |
| Heater Current               | 0.3 amps.   |
| A-C Plate Voltage Max. (RMS) | 250 volts   |
| D-C Output Current Max.      | 85 ma.      |
| Maximum Overall Length       | 4½"         |
| Maximum Diameter             | 1 9/16"     |
| Bulb                         | ST-12       |
| Base                         | Small 6-Pin |

|                      |                      |
|----------------------|----------------------|
| Pin 1 ... Heater     | Pin 4 ... Cathode #1 |
| Pin 2 ... Plate #2   | Pin 5 ... Plate #1   |
| Pin 3 ... Cathode #2 | Pin 6 ... Heater     |

Base viewed from bottom - large pins down - start with large pin on left (Pin 1) and proceed in clockwise direction.

The most important application for this type is in AC-DC receivers designed to operate directly from 220 volt line supplies.

Filters of the capacitor-input type are recommended for this class of service. An input capacitance of 16 µf is desirable for half-wave service and 32 µf in series with each diode for voltage doubler service.

/TD  
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