

### Filament Ratings

Filament Voltage	5 Volt (AC or DC)
Tolerance on filament voltage	5%
Filament Current	2 Ampere

### Maximum ratings.

NOT possible simultaneously  
Take one maximum number, you must de  
rate another  
READ all notes at the bottom of this  
Data sheet.

AC input voltage	550Volts
First capacitor, connected to plates	4uF
DC output current	160mA

### Typical Conditions for C-L-C filter See: Note 2

DC output voltage	450Volt
Total rectified current	140mA
First capacitor, connected to plates	4uF
Choke	10 Henry
Second capacitor	max 20uF

For a total (C1 + C2) capacitance above 24uF, a limiting series resistor must be used, so the peak in-rush current through the choke is limited to the saturation current of the choke, or max 600mA, whatever comes first. Otherwise tube damage can result. MUST MEASURE. Can not be calculated in a reliable way. For lowest hum, this resistor is in series with the choke. So you get a C-LR-C filter. In this way 200uF is possible.

### 274A Mechanical Data



Tube Size including Socket:  
140 x 58 mm  
5.5 x 2.3 Inch

Tube weight	130 Gram
Shipped weight for double box with one pair	730 Gram

### 274B Mechanical Data



Tube Size including Socket:  
147 x 55 mm  
5.8 x 2.7 Inch

**Connections:**  
Filaments: 8 + 2  
Plates: 4 + 6

Single Tube weight	125 Gram
Shipment weight	400 Gram