

T.A.P. Version 2.0 (C) 1989-1995
(Triode Amplifier Program)

FREWARE

Courtesy of KD9JQ

When using the TUBEDATA.EXE File Utility you will be queried for the device parameters in the following order.

The 3CX5000A7 is used as an Example.

Name = 3CX5000 (Name of File, use DOS conventions
.TUB extension automatically added)

VB Max = 6500 (Maximum Plate Voltage Rating)

VB Low = 400 (From Grounded Grid Constant Current
Characteristics curves.

VB High = 1100 (From Grounded Grid Constant Current
Characteristics curves. ~ 2 to 3 * VB
Low)

Gain = 200 (Tube Amplification Factor)

Cin = 56.5 (Grid-Cath Capacitance in pF)

Cout = 34.0 (Grid-Plate Capacitance in pF)

PDiss = 5000 (Max Plate Dissipation of Device)

GDiss = 50 (Max Grid Dissipation of Device)

Cooling = Forced Air (Enter description of required Cooling
Method)

"The following requires the user to use interpolation of the
curves to select the Grid Voltage & Grid current per IB. Determine
which IB (Peak Plate Current) curves are to be used. 8 IB's are
required,
as are the corresponding EG, IG inputs per VB Low, VB High.
Enter Grid Voltages as a positive value."

Input IB: 2,3,4,5,6,7,8,9

Input EG @ VB Low: 50,67.5,92.5,110,127,145,166,178

Input EG @ VB High: 42,60,82.5,95,110,125,141,155

Input IG @ VB Low: .088,.163,.355,.474,.744,.956,1.218,1.75

Input IG @ VB High: 0,.005,.01,.02,.065,.113,.167,.232

"Once the last input is done a file can be generated in the
correct format for the TRIODE.EXE program."