



# Etude series type ETU - 1

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single ended output transformer

3300  $\Omega$  to 4 and 8  $\Omega$

optimized for 300B type power triodes in 10 Watt mode  
(400V 80mA condition)

- Hi-grade SiFe grain oriented dual C-core
- Mylar interlayer dielectric
- Dual 4 / 8 secondary
- 7 - 98,000 Hz bandwidth
- 0,40 dB insertion loss

The Etude series " type ETU-1 " is a cost effective high quality single ended output transformer designed around the 300B triode in its 400 Volts plate voltage operating conditions offering :

" 10 Watts rms in Class A1 mode "

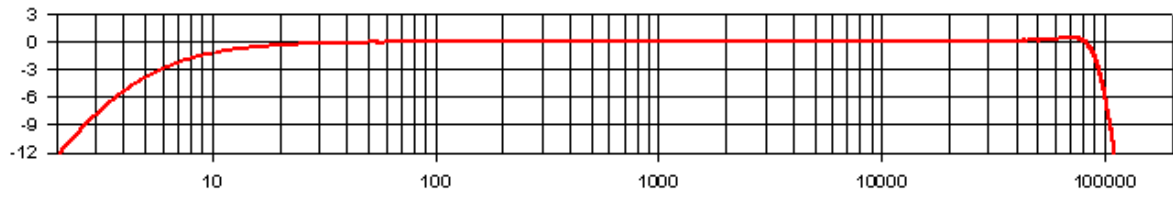
The 300B is a vacuum triode with a long history of high performance and great sound. This tube is receiving praise from a wide range of listeners and amplifier producers.

This tube features midrange harmonic textures that are lusciously sweet sounding.

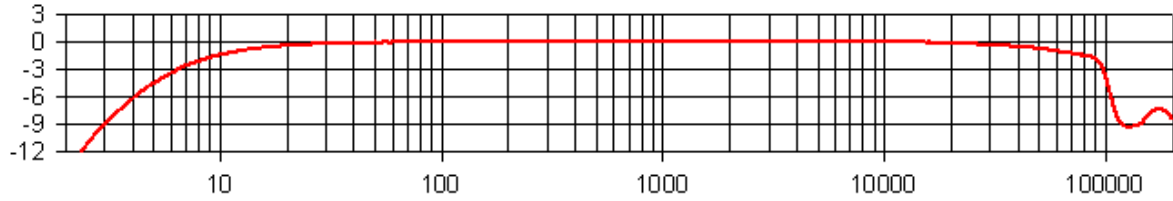
## E L E C T R I C A L D A T A

Primary impedance	3300 $\Omega$
Secondary load impedance	4 an 8 $\Omega$
Winding ratio (4/8 $\Omega$ )	29.04 / 20.66
Bandwidth (-3 dB @ 1W, sec. grounded)	7 - 98,000 Hz
Core saturation	22 Hz @ 10W rms
Primary inductance	25 Hy
Leakage inductance	11.9 mH
Shunt capacitance sec. grounded	632 pF
Shunt capacitance sec. floating	393 pF
Primary DC resistance	153 $\Omega$
Sec. DC resistance 4/8 Ohm	0.203 / 0.392 $\Omega$
Insertion loss 4/8 Ohm	0.40 / 0.39 dB

level (dB) vs. frequency (Hz) 4 ohm - grounded secondary



level (dB) vs. frequency (Hz) 8 ohm - grounded secondary



Mechanical data & electrical connections

CASE-1

[preliminary new case layout datasheet](#)