

845 Vacuum Tube

Classification-column type bulb of glass, a four-prong bayonet pin tube, oxide coated filamentary triode.

Application-Audio power amplifier Class A₁ or Class AB₁ .

Dimensions-Dimensions, outline diagrams of the tube and bases, and the arrangement of electrode connections to the base terminals are shown in Figures 1,2 and 3.

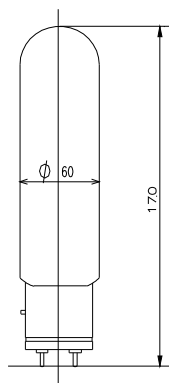


Fig.1



Fig.2

Nominal operating conditions and parameters

Filament voltage.....	11.0V
Nominal filament current.....	0.7 A
Plate voltage.....	1250 V
Grid voltage.....	−200 V
Plate current.....	80 mA
Plate resistance.....	1.7kohms
Amplification factor.....	5.0
Load resistance.....	3.4 kohms
Signal voltage(pk).....	69.0V
Output power.....	15W

Suggest operating conditions and parameters

Class A₁ power amplifier of single tube

Fullmusic®

Plate voltage	1000	1000	1250	V
Grid voltage	-145	-155	-209	V
Load resistance.....	6	9	16	kohms
Plate current	90	65	52	mA
Signal voltage(pk)	\	110	145	V
Plate resistance.....	1.7	1.9	2.1	kohms
Output powe	24	21	24	W
Class AB ₁ power amplifier of push-pull				
Plate voltage	800	1000	1000	1250 V
Grid voltage	-125	-170	-175	-225 V
Load resistance	4.5	4.6	4.6	6.6 kohms
Plate current	80	70	40	40 mA
Signal voltage(pk).....	177	240	-	- V
Output powe	40	75	75	115 W

Limiting Operation Conditions for Safe Nor-nor simultaneous ratings

Maximum plate voltage.....	1250 volts
Maximum plate dissipation.....	75 watts
Maximum plate current	120 mA
Maximum input powe of signal	150 V