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Docs / info		Wanted!	Sales
Links / traders			

Osram DA41 audio power triode



This valve measures 150x50mm overall and has a 4 pin base.

The DA41 is a carbon anode power amplifying triode with a thoriated tungsten filament. It is designed mainly for use in pairs in a positive grid drive Class B push-pull AF amplifier. Under suitable conditions an output of up to 175W can be obtained from a pair of these valves at an anode voltage of 1000V. It is designed to operate under the zero grid bias condition.

Filament voltage	7.5V
Filament current	2.5A
Max anode voltage	1000V
Max anode dissipation	40W
Amplification factor *	62
Anode impedance *	17500 ohms
Mutual conductance *	3.6mA/V
Capacitances	
Cag	5.9pF
Cgf	10.0pF
Caf	1.8pF

*: At Va=1000V, Wa=40W

Pin	Function
1	Filament
2	n/c

3	Grid
4	Filament
TC	Anode

Operating conditions (pair in push-pull Class B)

Anode voltage	1000V
Grid voltage	0
Anode current (zero signal)	44mA
Anode current (max signal)	280mA
Load resistance (anode to anode)	7k ohms
Input voltage peak (grid to grid)	220V
Grid current (max signal)	30mA
Power output	175W
Distortion	5%





This file was last modified 15:27:30, Tuesday September 02, 2014