



### 5593 Phasitron



This valve measures 110x42mm overall and has an 11 pin base.



This valve is based on the [2H21](#), the original phasitron.

Heater voltage	6.3V
Heater current	300mA
Max anode 1 voltage	300V
Max anode 2 voltage	300V
Max deflector 1, 2 and 3 voltage	100V
Max deflector 4 voltage	100V
Max grid 1 voltage	25V
Max grid 2 voltage	150V
Max cathode current	6mA
Capacitances	
Deflectors to anode 1	0.08pF
Anode 1 to Anode 2	4pF
Max frequency	250kHz
Typical operation	
Anode 1 voltage	200V
Anode 2 voltage	250V
Deflector 1, 2 and 3 voltage	75V
Deflector 4 voltage	60V
Grid 1 voltage	10V
Grid 2 voltage	25V
Cathode current	4mA
RF drive voltage, phase to neutral	35V

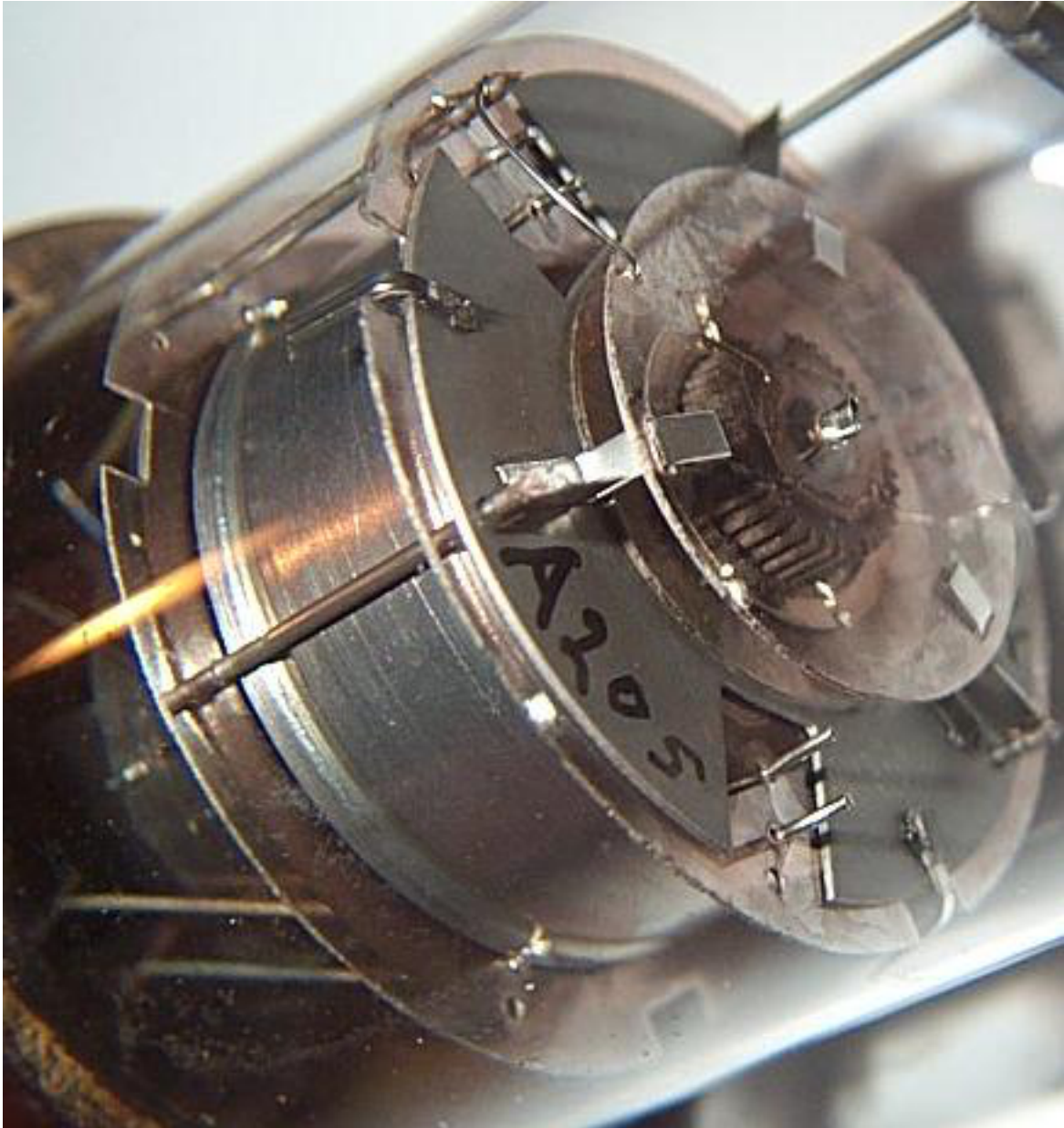
Pin	Function
1	i/c
2	Deflector 4

	RMS	3	Deflector 1
Audio modulating power for 180 degree phase angle	50mW	4	Deflector 2
		5	Deflector 3
RF output voltage	4V RMS	6	Grid 1
Distortion at 180 degree phase angle	1.4%	7	Grid 2
		8	Anode 1
		9	Anode 2
		10	Heater
		11	Heater + cathode

This data is for the 2H21 with the exception of the maximum frequency.

This data may be different from the spec for the 5593.

For further information see: [the Phasitron pages](#)



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**FOR SALE:** Note that any valve which is not CV marked is now for sale. Contact me via email - see the home page.