



ACT29B / BR1138 power triode



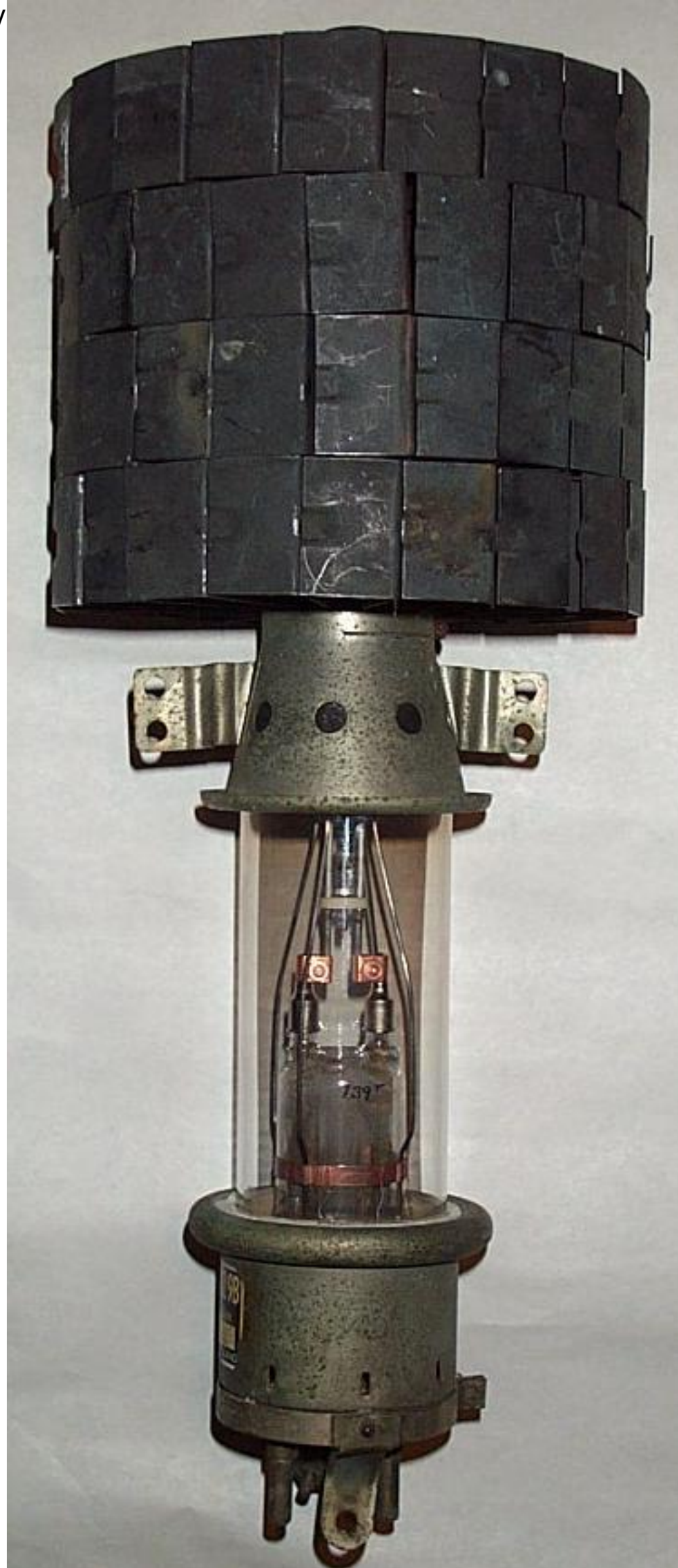
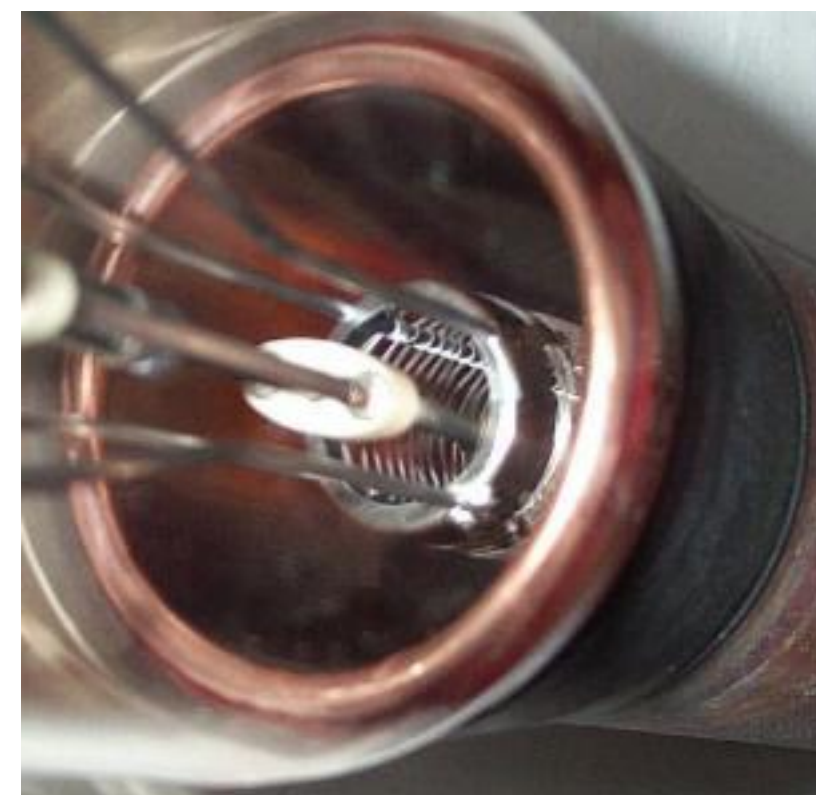
This valve measures 460x180mm overall.

This is an HF air cooled triode.

Filament voltage	8.5V
Filament current	20A
Max anode voltage	10kV
Max anode dissipation	1kW
Max anode dissipation (forced air cooling)	1.25kW
Max grid dissipation	80W
Max peak cathode current	5A
Max RF grid current	14A
Max frequency (full ratings)	15MHz
Max frequency (25% anode voltage)	80MHz
Amplification factor*	40
Anode impedance *	12900 ohms
Mutual conductance *	3.1mA/V
Capacitances	
Cgf	23.2pF
Caf	1.6pF
Cga	15.9pF

\*: At Va=5kV, Ia=200mA. NB the above

ratings are for the ACT29; the 'B' suffix may indicate a change to these figures.



Connections: The anode has two strap connections just below the cooling fins. The grid connects to the base shell and the filament to the two pins.

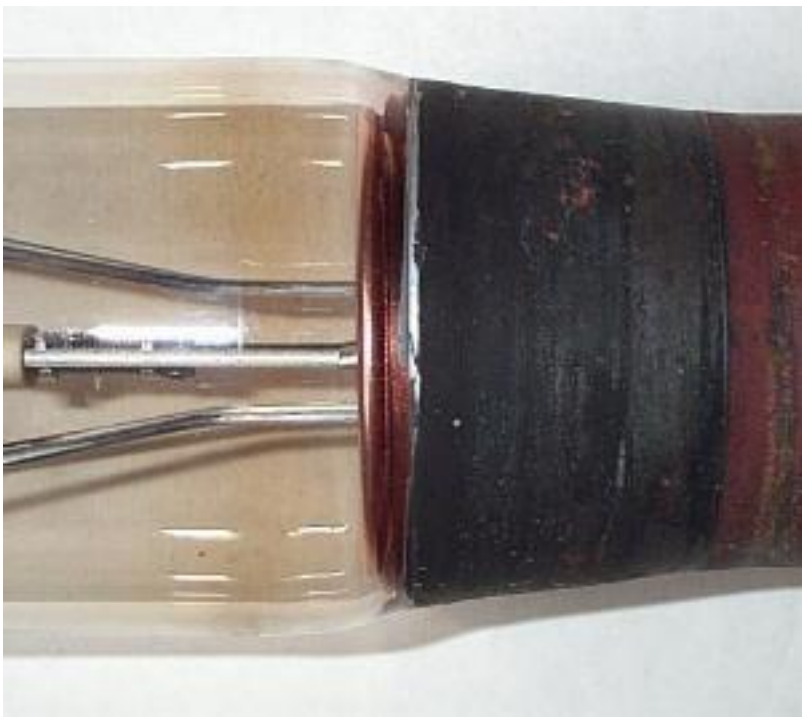


Top and bottom quarter views of the valve. See below for details of the cooling fins.



The ACT29B without its cooling fins.

Above: One of four sets of cooling fins assembled. There are 20 fins per ring and 4 rings in total. Below: The fins themselves. The cut-out is to allow access to the screws holding the assemblies onto the anode.



Above: The glass to metal seal.

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