

>> DB 932(1451) VHF tetrode

- **Operating frequency: 110 MHz**
- Maximum output power: 10 kW**

General characteristics

CathodeThoriated tungsten
 Heating.....Direct
 Filament voltage.....7.5V±0.37V
 Filament current.....75A
 Interelectrode capacitances(cathode earthed)
 Input(Control-grid-Screen-grid).....122pF
 Output(Control-grid-Screen-grid).....23pF
 Transfer.....1 pF
 Transconductance25mA/V
 Internal amplification factor.....4.5
 Operating position.....Vertical
 Weight.....4.3 kg
 Dimensions.....See page 95
 CoolingForced air
 Temperature at the seal, max250℃
 Temperature at the terminal, max150℃
 Temperature on the surface of the tube, max.....250℃



Maximum ratings

Frequency.....110MHz
 Anode voltage.....5.5kV
 Anode current.....2.5A
 Control-grid voltage.....-500V
 Screen-grid voltage.....1kV
 Anode dissipation.....3.5kW
 Control-grid dissipation.....75W
 Screen-grid dissipation.....250W

Typical operation

Frequency	110	MHz
Filament Voltage	7.5	V
Anode voltage	5	KV
Control-grid voltage	-400	V
Screen-grid voltage	500	V
Anode current(with signal)	1.4	A
Control-grid current	0.05	A
Screen-grid current	0.26	A
Anode output power	5.8	KW