

>> DB 933(1330)VHF triode

■ **Operating frequency: 108MHz**
Maximum output power:12kW

General characteristics

CathodeThoriated tungsten
Heating.....Direct
Filament voltage..... $7.0 \pm 0.35V$
Filament current..... 78 A
Interelectrode capacitances
 Cathode-grid 42 pF
 Grid-anode..... 24.5pF
 Cathode-anode 0.28 pF
Transconductance ($I_a=1A$) 25 mA/V
Amplification factor.....200
Operating factor.....Vertical
Weight.....3.64 Kg
Dimensions.....See page 95
Anode cooling.....forced air
Air flow, min.16500 L/min
Temperature at the air outlet,max..... 100°C
Temperature at the seal, max..... 250°C
Temperature at the terminal, max.....150°C
Temperature on the surface of the tube, max..... 250°C



Maximum ratings

Frequency..... 108 MHz
Anode voltage..... 7kV
Anode current.....3.5 A
Anode dissipation..... 6 kW
Grid dissipation.....225 W

Typical operation

Frequency	108	MHz
Anode voltage	6	KV
Grid voltage	-100	V
Anode current	2.56	A
Grid current	0.48	A
Anode dissipation	3.9	KW
Useful output power	12	KW
Driving power	800	A