〉〉 *DB 919(1327)* **UHF** triode

■ ***Peak-of-sync output power in combined amplification:220 W***

General characteristics

Cathode ..... Oxide
Heating ..... Indirect
Heater voltage ..... 5.7 V(1)
Heater current ..... 5.2 A(1)
Interelectrode capacitances,approx,:
Cathode-grid ..... 16 pF
Cathode-anode ..... 0.13 pF
Grid-anode ..... 7.3 pF
Transoonductanoe(Ia=0.25A,Ua=2400V,Ug=-1V) ... 45 mA/V
Amplification factor,average 80
Operating position ..... Any
Weight,approx. ..... 1.2 kg
Dimensions ..... See page 94
Anode cooling(2) ..... Forced air
Air flow,min. ..... 1250 l/min
Temperature at air outlet,max. ..... 100℃
Temperature on the surface the tube,max. .....250℃

(1)The operating heater voltage must be defined according to each particular situation.
As an indication for equipment design purposes only,a given heater voltage of 5.7V produces a given heater current of 5.2A.
(2)Values for cooling given for maximum anode dissipation.

Maximum ratings

Frequency ..... 1000 MHz
Anode voltage ..... 2.5 kV
Anode current ..... 0.6 A
Anode dissipation ..... 1.2 kW

Typical operation

Combined amplification

Frequency	780	MHz
Peak-of-sync output power	220	W
Bandwidth(-1dB)	8	MHz
Intermodulation distortion	-52	dB
Gain	16	dB
Anode voltage	2.4	kV
Grid bias voltage	-20	V
Anode current(at zero signal)	0.4	A

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