

AM/VHF Tetrode

DB928

OUTPUT POWERS OF AUDIO FREQUENCY AMPLIFIER FOR CLASS AB OR B:

1.5 KW

GENERAL CHARACTERISTICS

Cathode	Oxide
Heating	Indirect
Heater voltage	5 V
Heater current	10.5 A
Interelectrode capacitances	
Cathode earthed	
Input	38.5 pF
Output	0.1 pF
Transfer	10 pF
Grid earthed	
Input	38.5 pF
Output	10 pF
Transfer	0.1 pF
Transconductance (Ua=2.5kV, Ia=0.5 A)	45 mA/V
Amplification factor	200
Operating position	Any
Weight	950 g
Dimensions	See page 94
Anode cooling	Forced air
Air flow, min	1440 L/min
Temperature at the seal, max	250°C
Temperature at the terminal, max	150°C
Temperature on tube surface, max	250°C



MAXIMUM RATINGS

Frequency	250 MHz
Anode voltage	4kV
Anode current	1.0 A
Anode dissipation	1.5 kW
Grid dissipation	20 W

TYPICAL OPERATION

	Example 1	Example 2	Example 3	Example 4
Frequency [MHz]	88-108	88-108	88-108	88-108
Anode DC voltage [V]	2000	2500	3000	4000
Grid voltage [V]	+9	+12	+15	+20
Anode current [A]	1.0	1.0	1.0	1.0
Grid current [mA]	60	58	42	25
Output power [W]	1330	1670	1960	2600
Gain [dB]	13.2	14.2	14.8	15.3