



WVS-TECHNOLOGY

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WALTER V. STEINFELD, DIPL.-ING.

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VHF TETRODE

FU115F

OUTPUT POWER OF SSB LINEAR AMPLIFIER AND BAND III TV TRANSMITTER:

1.2kW

GENERAL CHARACTERISTICS

Cathode	Oxide
Heating	Indirect
Heater voltage	3.8V
Heater current	18.5-22.5A
Interelectrode capacitances (grounded cathode)	
Input	37.5pF
Output	12pF
Transfer	0.015 pF
Transconductance ($U_a=3000V, I_a=0.5A, U_{g2}=500V$)	55 mA/V
Amplification factor	11
Operating position	Vertical, anode up or down
Weight	1.2kg
Dimensions	See page 94
Anode cooling	Forced air
Air flow, min,	1500l/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	300MHz
Anode DC voltage	3.1V
Screen-grid DC voltage	650V
Control-grid DC voltage	-100V
Anode dissipation	1.8kW

TYPICAL OPERATION

Frequency	170-230 MHz
Anode DC voltage	2.3 kV
Anode current (black level)	1.1 A
Gain	≥ 15 dB
Peak-of-sync output power	1.2 kW

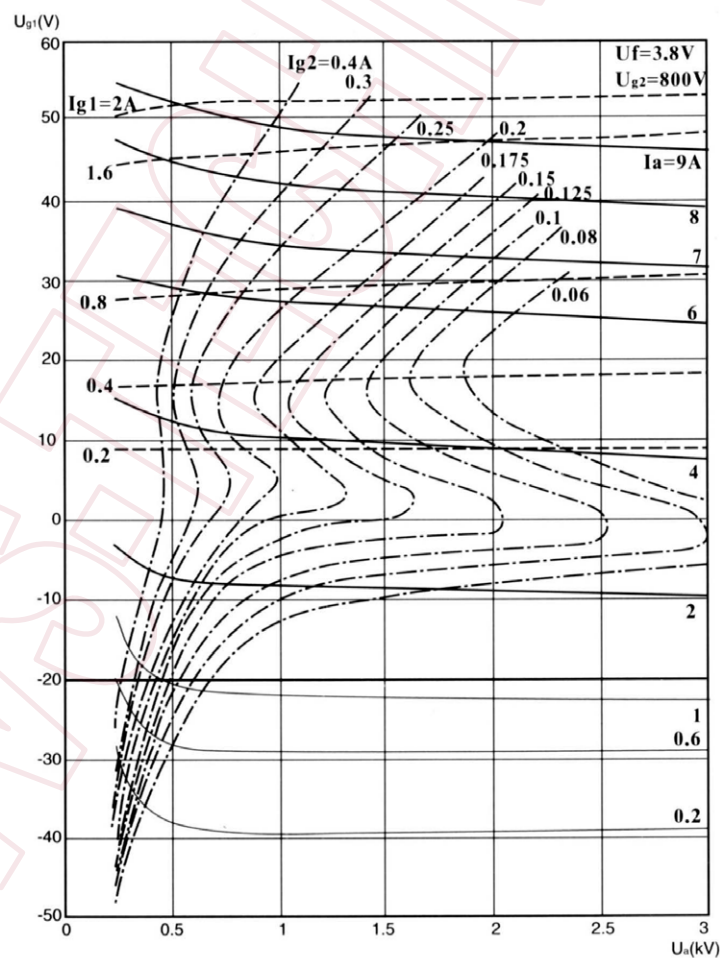
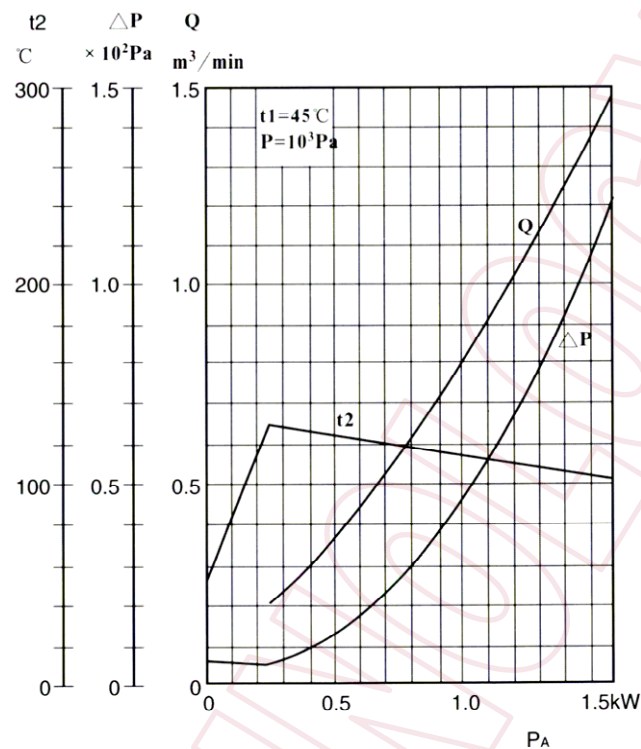


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