WVS-TECHNOLOGY

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WALTER V. STEINFELD, DIPL.-ING.

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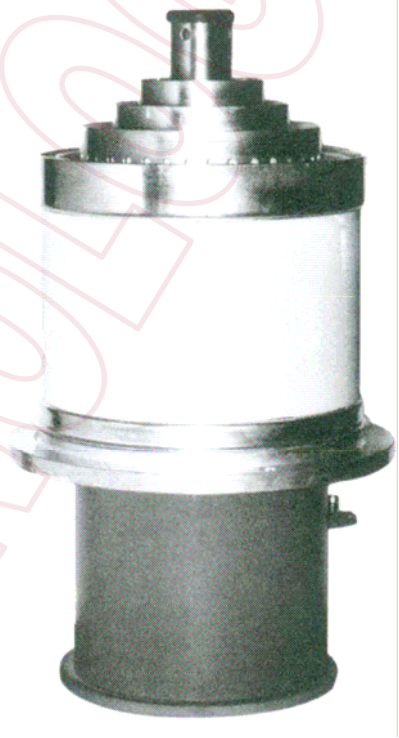
AM Tetrode 1449

OPERATING FREQUENCY: 30 MHz
MAXIMUM OUTPUT POWER: 305 KW



GENERAL CHARACTERISTICS	
Cathode	Thoriated tungsten
Heating	Direct
Filament voltage	18±2% V
Filament current	430 A
Capacitances	
Cathode-Control-grid	310 pF
Cathode—Screen-grid	26 pF
Cathode—anode	0.6 pF
Control-grid—Screen-grid	510 pF
Control-grid—anode	4.5 PF
Screen-grid—anode	74 pF
Transconductance (Ia=25A, Ug_2=1kV)	400 mA/V
Internal amplification factor	4.3
Operating position	Vertical, anode up
Weight	53 kg
Dimensions	See page 95
Anode cooling	Vapour cooled
Water flow, min.	150L/min
Temperature at the water outlet, max.	100℃
Pressure at the water inlet, max	5×10^5pa
Temperature on tube surface, max.	200℃

MAXIMUM RATINGS	
Frequency	30 MHz
Anode voltage	15 kV
Control-grid voltage	-800 V
Screen-grid voltage	1.5 kV
Anode dissipation	300 kW
Control-grid dissipation	2 kW
Screen-grid dissipation	5 kW

TYPICAL OPERATION	CLASS C
Frequency	≤30 MHz
Carrier wave output power	305 kW
Anode DC voltage	11 kV
Screen-grid DC voltage	1 kV
Control-grid DC voltage	-550 V
Anode DC current	36 A
Screen-grid DC current	1.3 A
Control-grid DC current	2 A

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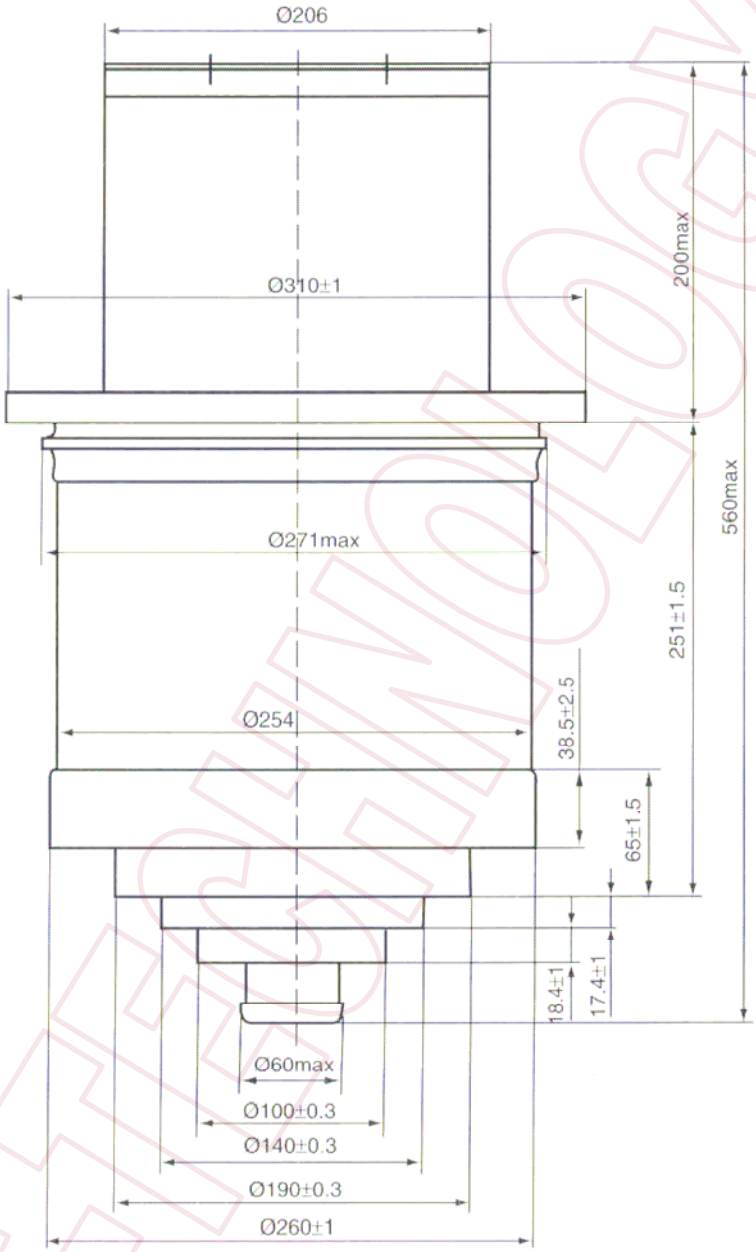

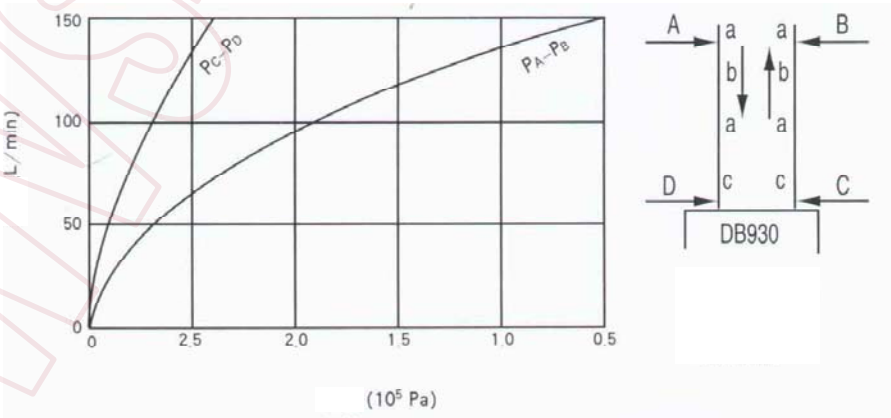

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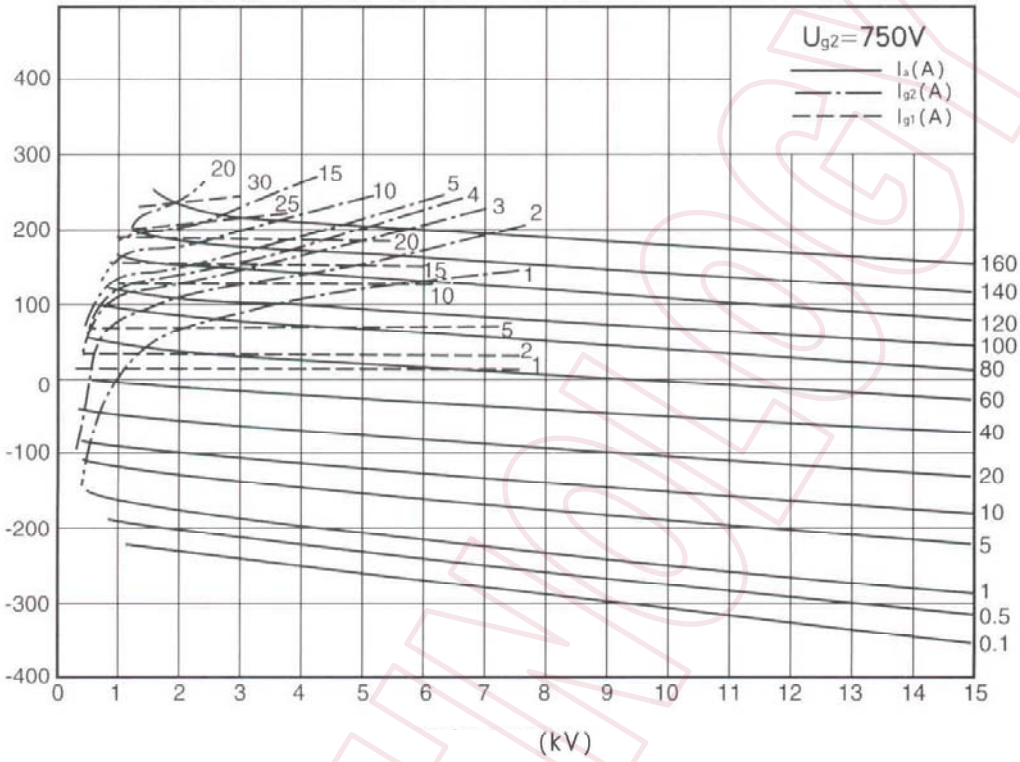

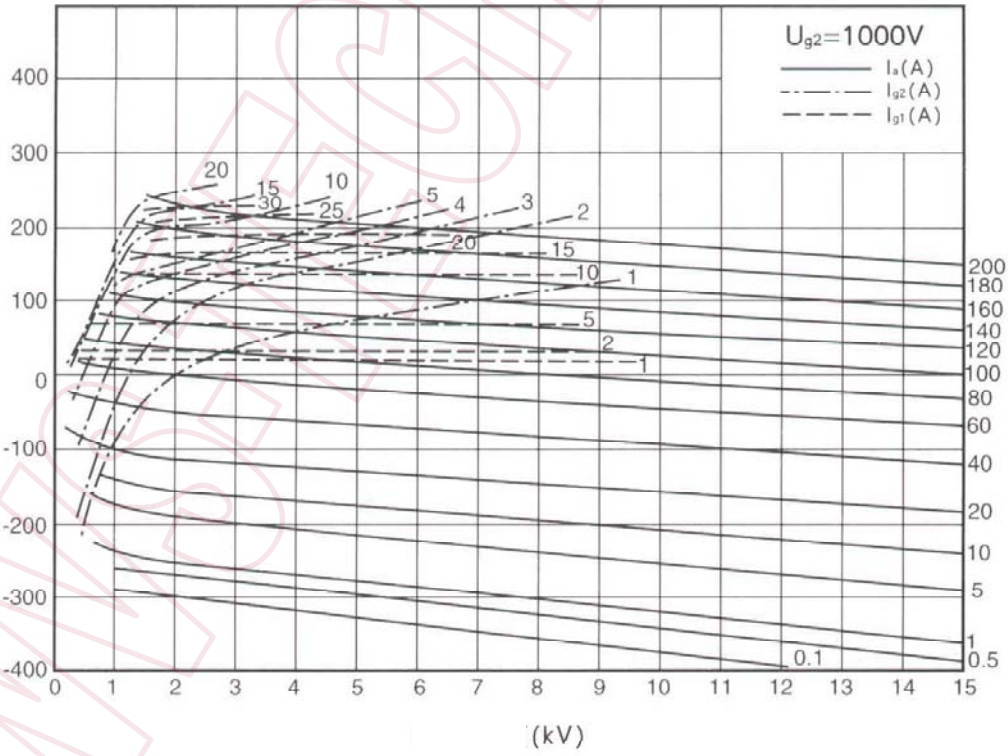

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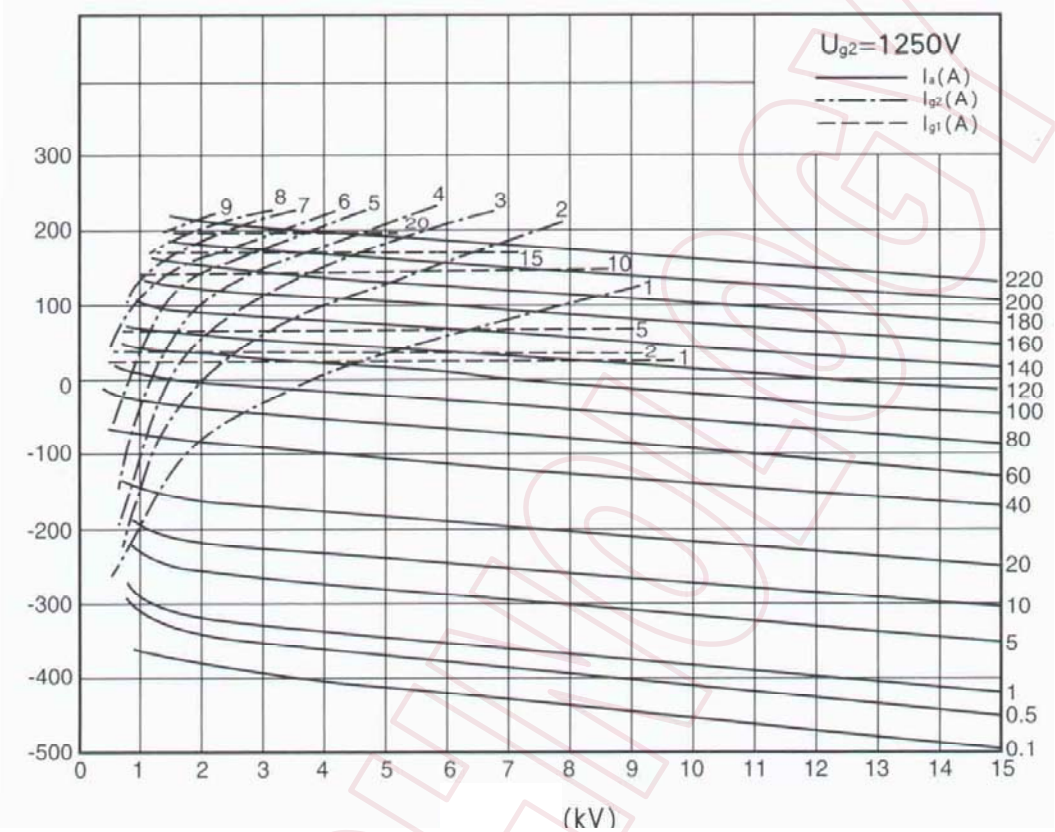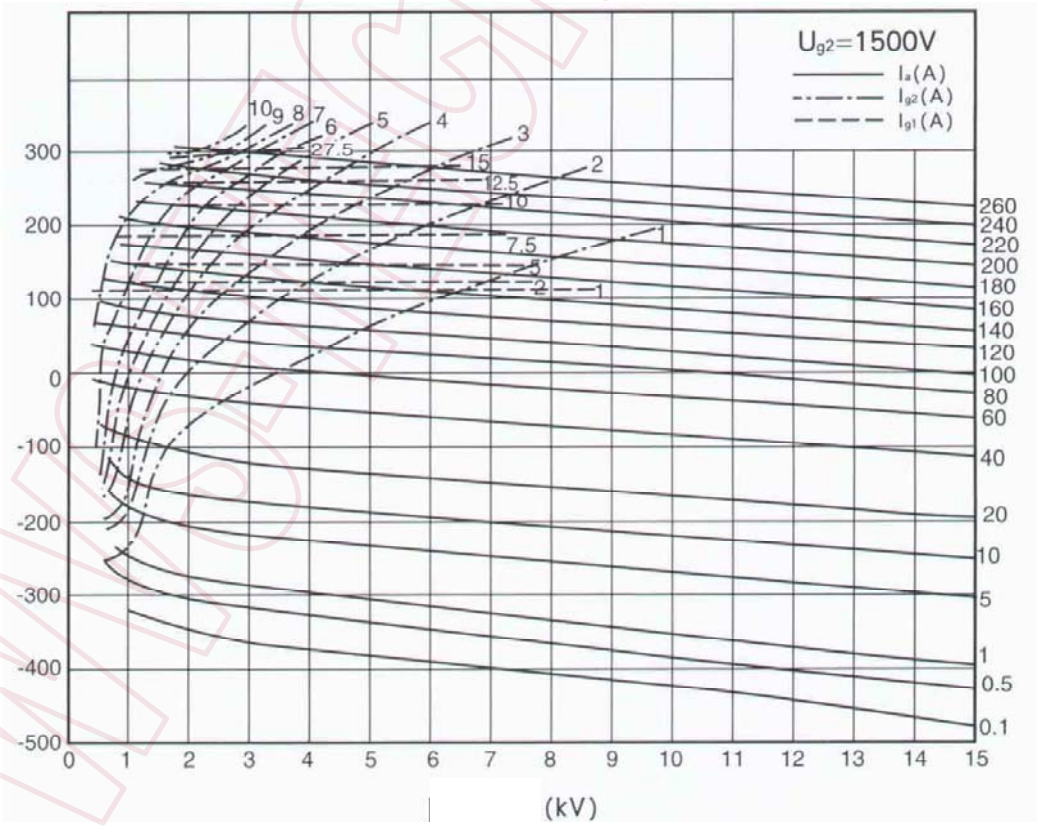
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