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TRIODES CA 9000

Output power	25 kW
Anode Voltage	12.0 kV
Anode current	5.0 A
Anode dissipation	8 kW

ELECTRON TUBES

ELECTRICAL

Filament directly heated	
Filament Voltage +5% -10%	5.8 V
Filament Current	150 A
Max surge current	500 A
Cold resistance	
Capacitances:	
grid-anode	21 pF
grid-cathode	55 pF
cathode-anode	1.0 pF
Amplification factor μ	22
Transconductance $V_a=10$ kV, $I_a=4$ A	50 mA/V

MAXIMUM RATINGS

Frequency	100 MHz
Anode voltage up to 70MHz	12.0 kV
Control grid voltage	-1500 V
Anode current	5.0 A
Control-grid current at full load	0.80A
Control-grid current at no load	1.50 A
Peak cathode current:	
CW	25 A
Pulse operation	35 A
Anode dissipation:	
Inlet air 25 °C / Industrial water 5 k ohm.cm	12 kW
Inlet air 45 °C / Distilled water 50 k ohm.cm	8 kW
Grid dissipation up to 70 MHz	600 W
Grid resistor at blocked tube	10 k ohm



OPERATING CONDITIONS

Frequency	30 MHz
Output power	30.0 kW
DC anode voltage	10.0 kV
DC grid voltage	-1000 V
Peak RF grid voltage	1400 V
DC anode current	4.00 A
DC grid current	550 mA

Anode cooler is calculated up to 8000w. The chimney is standard for all diameter 145mm.

Filament's connectors are made with thick leads. They cooled the junctions of filament and it is better with added blowing.

Equivalent Tubes:

ITL9
 3CX10000H3
 YD1170
 YD1173
 YD1174
 8801

