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## TRIODE CA3000

Output power 7 kW  
 Anode Voltage 6.0 kV  
 Anode current 1.5 A  
 Anode dissipation 3.5 kW

## ELECTRON TUBES

### ELECTRICAL

Filament directly heated  
 Filament Voltage +5% -10% 6.0 V  
 Filament Current 35 A  
 Max surge current  
 Cold resistance  
 Capacitances:  
     grid-anode 17 pF  
     grid-cathode 23 pF  
     cathode-anode 0.6 pF  
 Amplification factor  $\mu$  70  
 Transconductance  $V_a=4$  kV,  $I_a=4$  A 15 mA/V

### MAXIMUM RATINGS

Frequency 110 MHz  
 Anode voltage up to 30MHz 7.5 kV  
 Anode voltage up to 110MHz 6.0 kV  
 Control grid voltage -1000 V  
 Anode current 1.5 A  
 Control-grid current at full load 0.35A  
 Control-grid current at no load 0.50 A  
 Grid Resistor 1500E  
 Peak cathode current:  
     CW 10 A  
     Pulse operation 15 A  
 Anode dissipation:  
 Inlet air 25 °C 4.0 kW  
 Inlet air 45 °C 3.5 kW  
 Grid dissipation up to 110 MHz 200 W  
 Grid resistor at blocked tube 20 k ohm



Anode cooler is calculated up to 5000w. The chimney is standard for all diameter 100mm.

A simple ring is available to put a D100 anode in a D123 airduct chimney.

Filament's connectors are made with massive aluminium. They cooled the junctions of filament without added blowing. They are supplied by two parts and with the leads.

### OPERATING CONDITIONS

Frequency 30 MHz  
 Output power 5.0 kW  
 DC anode voltage 5.5 kV  
 DC grid voltage -450 V  
 Peak RF grid voltage 800 V  
 Feedback factor 15.0 %  
 DC anode current 1.30 A  
 DC grid current 300 mA  
 Grid resistance 1500 ohm  
 Anode input power 7 kW  
 Drive power 450 W  
 Anode dissipation 1.5 kW  
 Grid dissipation 100 W  
 Efficiency oscillator 75 %

#### Equivalent Tubes:

ITL3-1  
 RS3005cl  
 YD1150  
 8730

