



FR-59251 Allennes Les Marais (Lille)
 Phone: +33 (0) 320 53 62 98
 Fax: +33 (0) 320 53 63 08
 Website: <http://www.soudeuse-haute-frequence.com>
 Courriel: transtec.hf@soudeuse-haute-frequence.com

TRIODE CA2500

Output power 3500 W
 Anode Voltage 7.0 kV
 Anode dissipation 1500 W

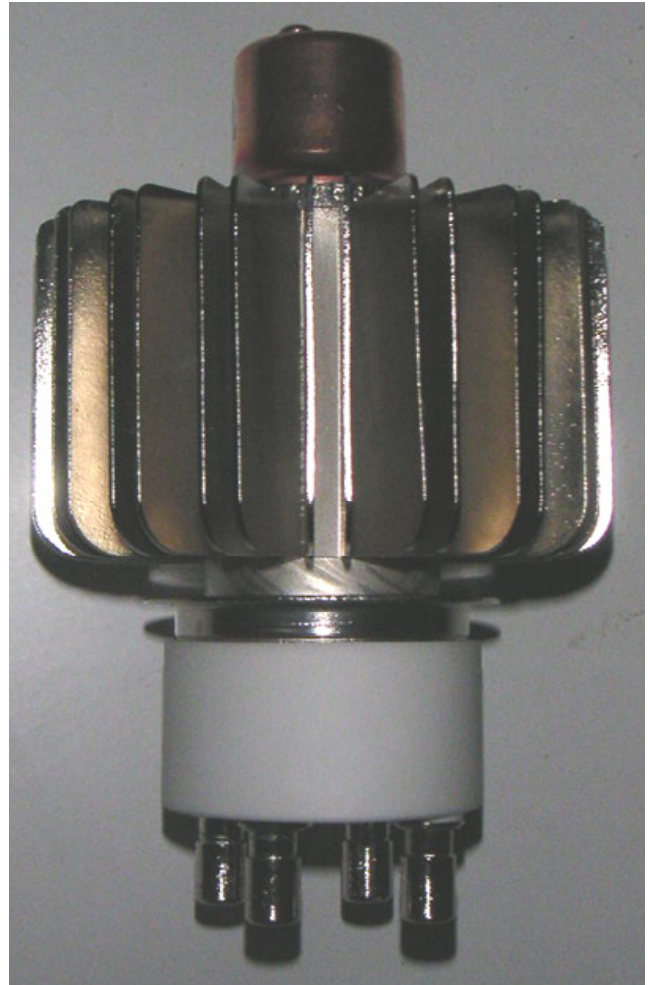
ELECTRON TUBES

ELECTRICAL

Filament directly heated
 Filament Voltage +5% -10% 6.3 V
 Filament Current 32.0 A
 Capacitances:
 grid-anode 8.8 pF
 grid-cathode 11.0 pF
 cathode-anode 2.2 pF
 Amplification factor μ 25
 Transconductance $V_a=4$ kV, $I_a=190$ mA 6.3 mA/V

MAXIMUM RATINGS

Frequency 50 MHz
 Anode voltage 7.5 kV
 Anode current 1.00 A
 Anode input power 4500 W
 Control-grid current 200 mA
 Cathode current 1.20 A
 Peak cathode current 4.3 A
 Anode dissipation 1500 W
 Grid dissipation 150 W
 Grid voltage -1250 V
 Grid resistance 3k ohm



Triode CA2500 sur son socle céramique

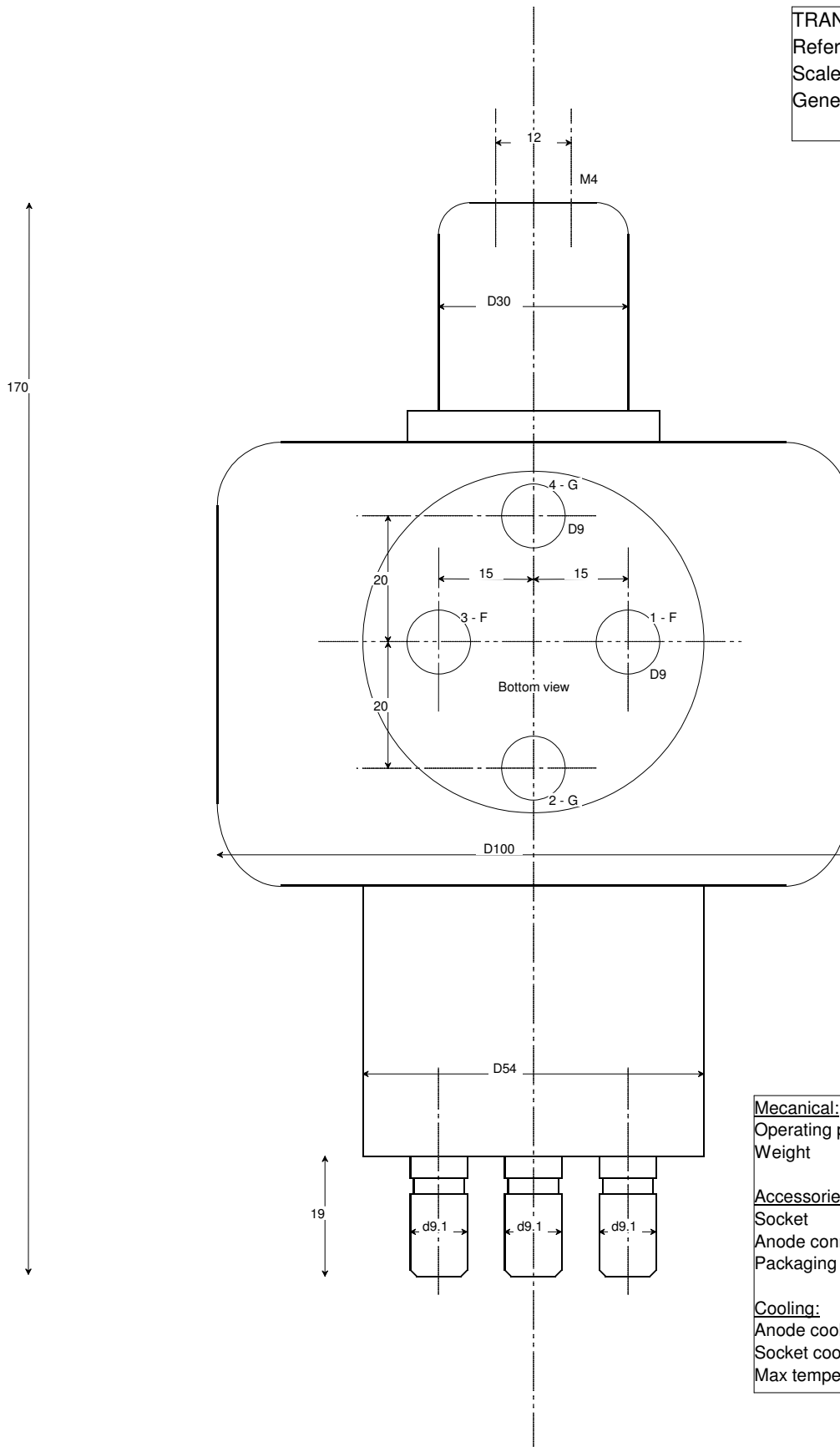
Equivalent Tubes:
 T1000

OPERATING CONDITIONS

Class C RF oscillator

Frequency 50 MHz
 Anode voltage 7.5 kV
 Anode current 750 mA
 Anode input power 4500 W
 Anode output power 3500 W
 Anode dissipation 1000 W
 Anode efficiency 76 %
 Grid resistor 3000 ohm
 Grid current on load 0.150 A
 Grid voltage -450 V
 Grid dissipation 43 W

TRANSTEC.HF - FR 59251 Allennes
 Reference: CA2500
 Scale: 1
 General margins: +/- 0,5



| | |
|-------------------------|------------|
| Mecanical: | |
| Operating position | Vertical |
| Weight | 0.600 kg |
| Accessories: | |
| Socket | 4 pins |
| Anode connex | |
| Packaging | |
| Cooling: | |
| Anode cooling | forced air |
| Socket cooling | forced air |
| Max temperature ceramic | 250 °C |