

Features:

- Output power: 100KW
- Anode voltage: 13KV
- Anode dissipation: 50KW
- Frequency up to 120 MHz



Description:

Water-cooled triode for industrial RF oscillation and RF heating

CTK25-4 is a High Frequency Metal ceramic transmitting tube designed specifically for industrial applications. It intended for induction RF oscillation and delivery continuous RF power of 100KW. This water-cooled triode tube uses a coaxial design and metal-ceramic technology. It uses reticular formation thoriated tungsten cathode and pyrolytic graphite grid technology. It may be operated in CW or pulse modes. The Maximum operating frequency is 120MHz.

Technical Specifications

Cathode	thoriated tungsten
Filament voltage	9±0.2V
Filament current	225 A
Amplification factor	150
Transconductance	60 M A/V
Capacitance	
• cathode-grid	87 pF
• grid-anode	35 pF
Max. temperature at any point on the tube envelop	200

Maximum ratings

Frequency	120 MHz
Anode DC voltage	13 KV
Anode dissipation	50 KW
Grid dissipation	1000 W
Output frequency	100 KW

Classic applications

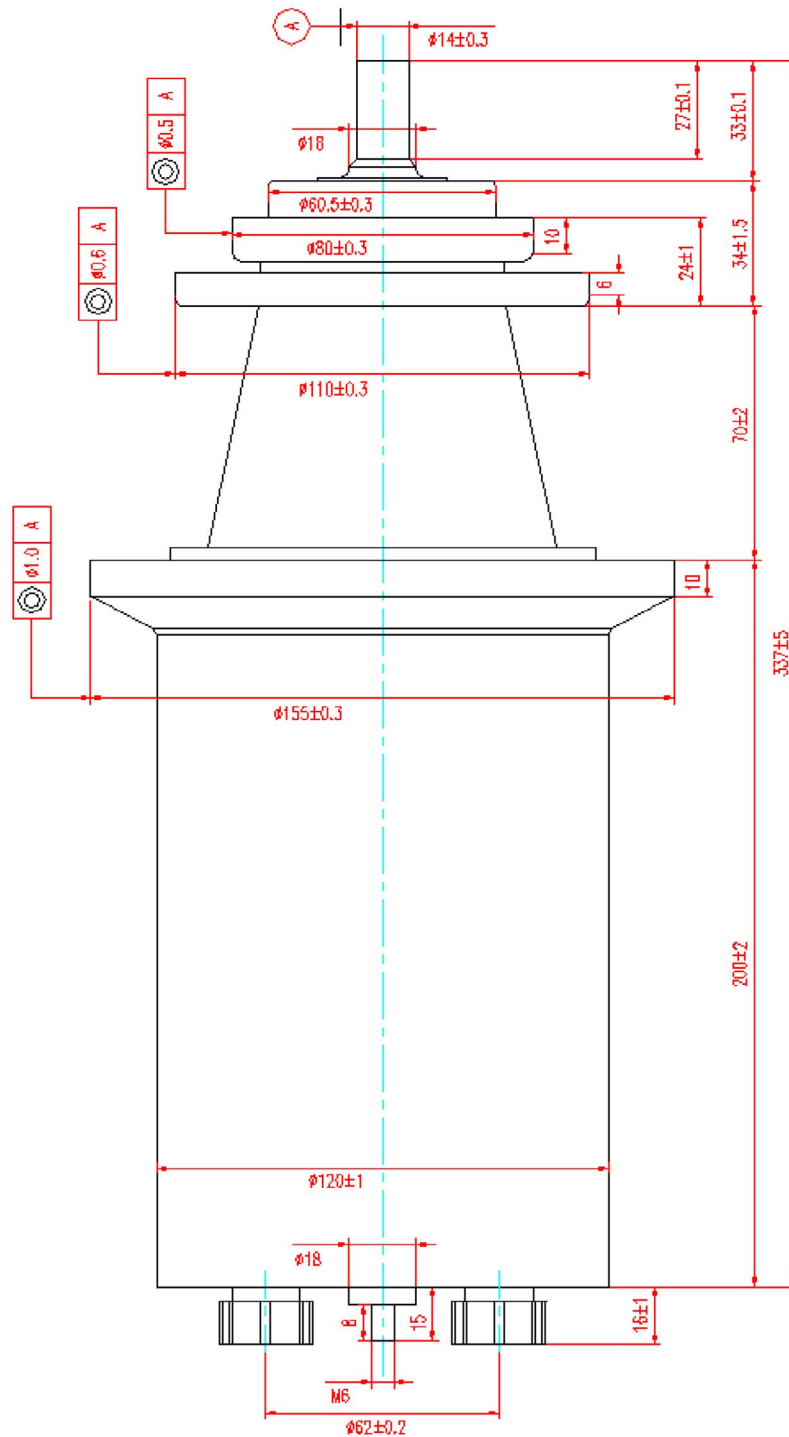
Frequency	75 MHz
Filament voltage	9V
Filament current	225A
Anode DC voltage	11 KV
Anode current (mean value)	2~5A
Anode output frequency (Oscillator)	40~55 KW
Grid current (mean value)	2.6~3A
Anode output frequency (Oscillator)	40~55 KW

Mechanical characteristics

Operating position	vertical
Weight	10 Kg
Dimensions	155×37 mm



Outline Drawing: (in mm)



Note: Unless otherwise noted, dimensions are nominal values in mm. Specifications subject to change without notice.



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