

Features:

- Output power: 45KW
- Anode voltage: 13KV
- Anode dissipation: 20KW
- Frequency up to 120 MHz

Description:

Water-cooled triode for industrial RF oscillation and RF heating

CTK15-2 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 45KW. 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	Frequency	120 MHz
Filament voltage	7.2 V	Anode voltage	13 KV
Filament current	180 A	Grid voltage	-1500 V
Amplification factor	200	Anode current, CW	8 A
Transconductance	≥60 M A/V	Peak cathode current CW	40 A
Capacitance		Anode dissipation	20 KW
 cathode-grid 	63.5 pF	Grid dissipation	800 W
 cathode-anode 	0.25 pF	Output frequency	45 KW
 grid-anode 	27.5 pF		
Max. temperature at any point on the	e tube envelop 200		

Mechanical characteristics

Operating position Weight Dimensions vertical 3.8 Kg 155×275 mm

Classic applications

Maximum ratings

Frequency Anode voltage Grid voltage(Eg) Grid voltage(Ug) Anode current Anode input frequency Grid driving power Anode output frequency	30 MHz 11 KV -235 V 580V 5.4 A 59.4 KW 20 KW 45 KW
Anode output frequency (Oscillator)	45 KW



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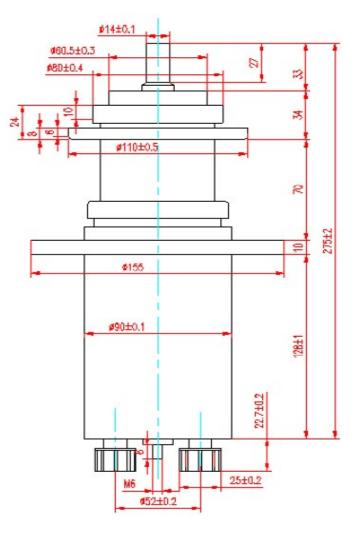
CTK15-2



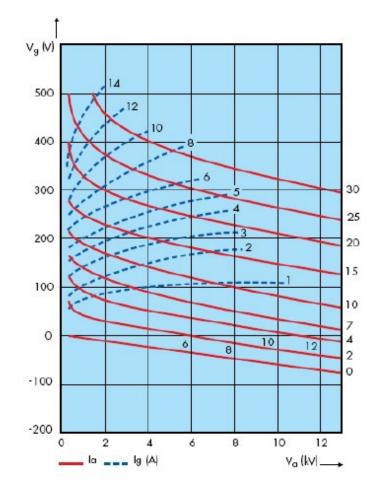


CTK15-2

Outline Drawing: (in mm)



Constant current characteristics



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



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