

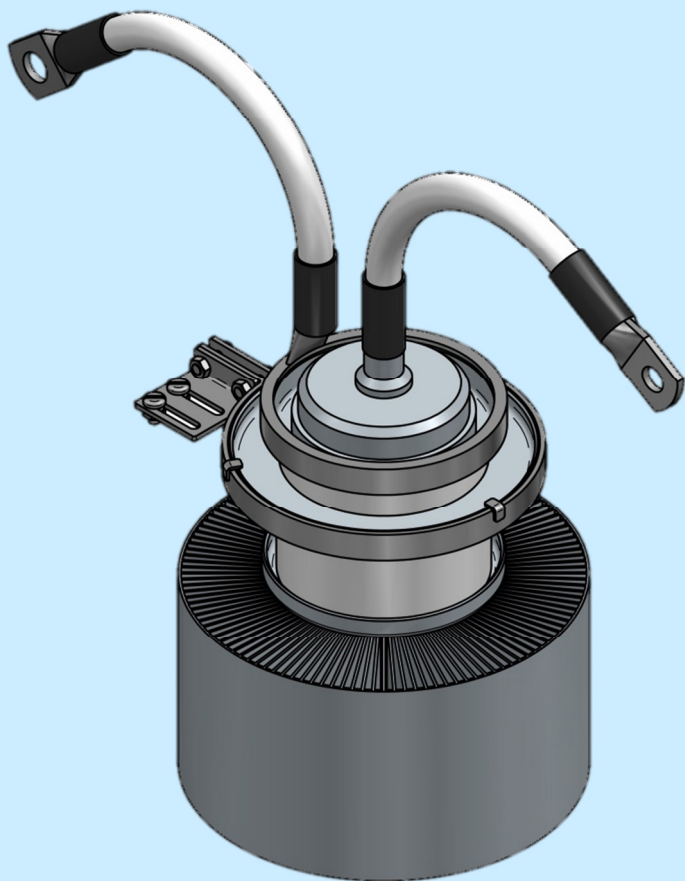
RD9XMF / ITL9-1

Air-cooled power triode

Output power: 25 kW



TESLA
Electron**Tubes**



RD9XMF is air-cooled triode, made by metal-ceramic technology. This electron tube is intended for industrial generators up to 120 MHz. Application – RF heating, welding, hardening or gluing.

Maximum plate dissipation can be 8.5 kW. Output power is 25 kW in CW mode.

For operation in pulse mode, the parameters depends on equipment characteristics. Contact us for specific information.

RD9XMF / ITL9-1

Air-cooled power triode

Output power: 25 kW



Technical specifications

| | | |
|----------------------|-----|------|
| Cathode | WTh | |
| Filament voltage | 5.8 | V |
| Filament current | 145 | A |
| Amplification factor | 22 | |
| Transconductance | 50 | mA/V |
| Capacitance | | |
| • grid-anode | 21 | pF |
| • grid-cathode | 55 | pF |
| • cathode-anode | 1 | pF |

Maximum ratings

| | | |
|----------------------|-------|-----|
| Frequency | 120 | MHz |
| Anode voltage | | |
| • < 30 MHz | 12 | kV |
| • ≥ 30 MHz | 9-7 | kV |
| Grid voltage | -1500 | V |
| Grid current | 1.5 | A |
| Grid dissipation | 350 | W |
| Anode dissipation | 8.5 | kW |
| Peak cathode current | 25 | A |

Mechanical characteristics and cooling

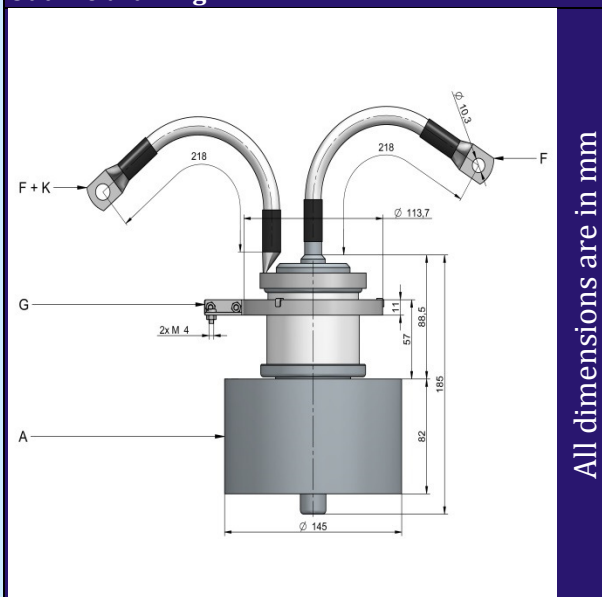
| | | |
|-------------------------------------|----------|---------------------|
| Anode cooling | air | |
| Air inlet temperature | 45 | °C |
| Temperature (any point of envelope) | 200 | °C |
| Air outlet temperature | 75 | °C |
| Air flow | 9.5 | m ³ /min |
| Mounting position | vertical | |
| Weight | 4.4 | kg |

Additional accessories*

- Grid contact ring

*for detailed information please contact our sales department

Outline drawing



Constant current characteristics

