

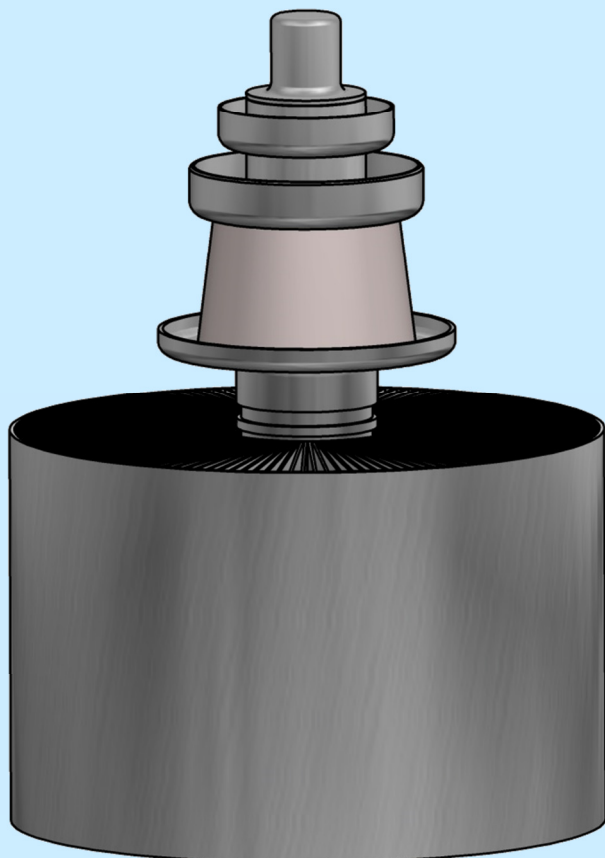
# RD3XM / RS3005CL

Air-cooled power triode

Output power: 6 kW



**TESLA**  
Electron**Tubes**



RD3XM is air-cooled triode, made by metal-ceramic technology. This electron tube is intended for industrial RF generators up to 160 MHz.

Maximum plate dissipation can be 3 kW. Output power is 6 kW in CW mode.

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

# RD3XM / RS3005CL

Air-cooled power triode

Output power: 6 kW



## Technical specifications

Cathode	WTh	
Filament voltage	6.3	V
Filament current	33	A
Amplification factor	20	
Transconductance	10	mA/V
Capacitance		
• grid-anode	14	pF
• grid-cathode	17	pF
• cathode-anode	0.4	pF

## Maximum ratings

Frequency	160	MHz
Anode voltage		
• < 85 MHz	7.2	kV
• ≥ 85 MHz	6	kV
Grid voltage	-1000	V
Grid current	350	mA
Grid dissipation	150	W
Anode dissipation	2.5	kW
Peak cathode current	7.5	A

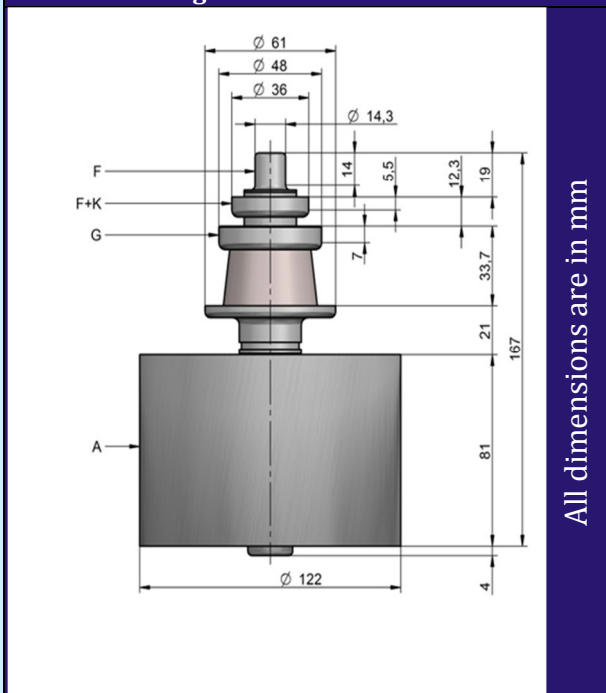
## Mechanical characteristics and cooling

Anode cooling	air	
Air inlet temperature	25	°C
Temperature (any point of envelope)	220	°C
Air outlet temperature	100	°C
Air flow	3.7	m <sup>3</sup> /min
Mounting position	vertical	
Weight	3	kg

## Additional accessories\*

• Grid contact ring
• Filament contact rings**
*for detailed information please contact our sales department
**tube with fixed flexible filament contacts is also available (RD3XMF)

## Outline drawing



## Constant current characteristics

