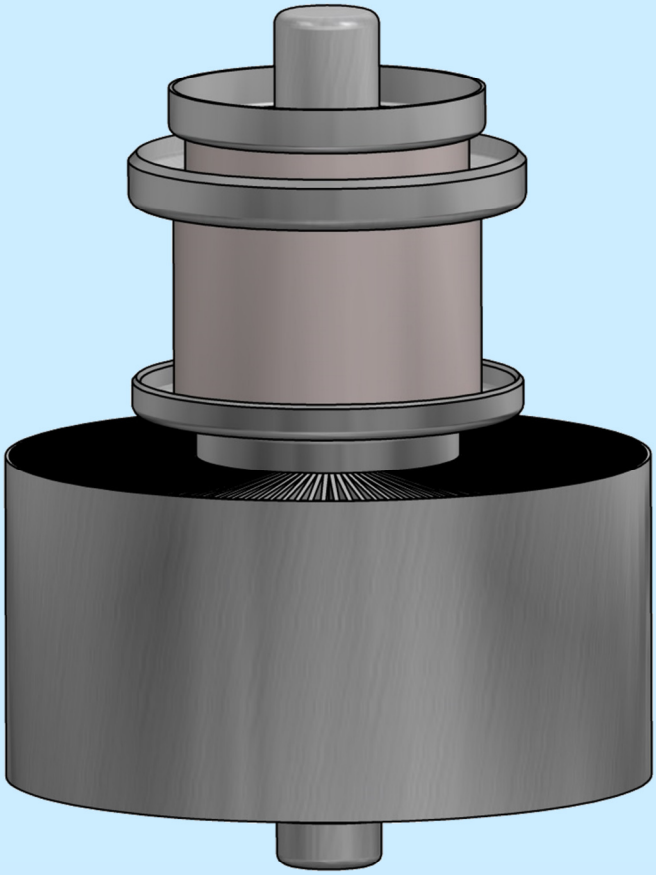
RD20XM / RS3021CL

Air-cooled power triode
Output power: 20 kW



RD20XM is air-cooled triode, made by metal-ceramic technology. This electron tube is intended for industrial generators up to 100 MHz. Application – RF heating, welding or hardening.

Maximum plate dissipation can be 10 kW. Output power is 20 kW in CW mode.

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

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Air-cooled power triode
Output power: 20 kW

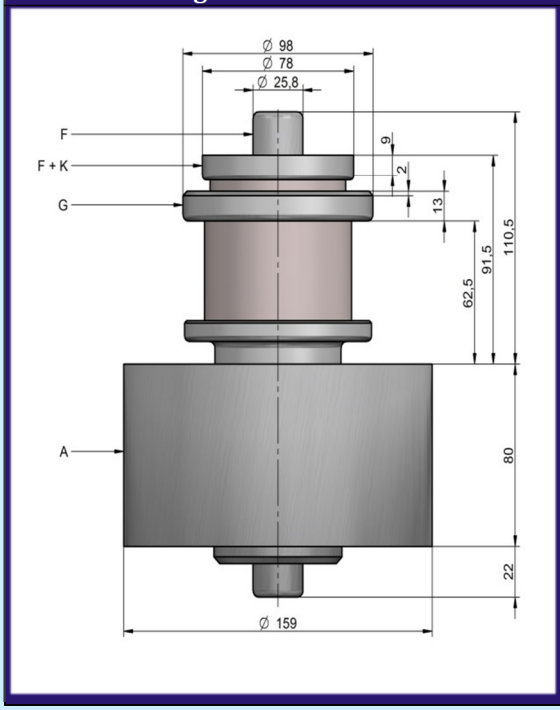
Technical specifications		
Cathode	WTh	
Filament voltage	5.7	V
Filament current	135	A
Amplification factor	120	
Transconductance	50	mA/V
Capacitance		
• grid-anode	11	pF
• grid-cathode	56	pF
• cathode-anode	0.3	pF

Maximum ratings		
Frequency	120	MHz
Anode voltage		
• < 40 MHz	14	kV
• ≥ 40 MHz	10	kV
Grid voltage	-800	V
Grid current	1.1	A
Grid dissipation	500	W
Anode dissipation	10	kW
Peak cathode current	25	A

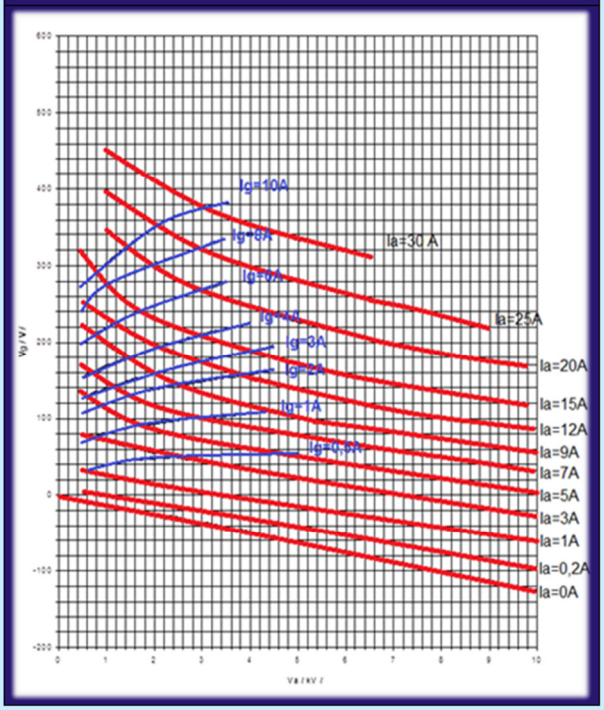
Mechanical characteristics and cooling		
Anode cooling	air	
Air inlet temperature	25	°C
Temperature (any point of envelope)	220	°C
Air outlet temperature	65	°C
Air flow	13	m^3/min
Mounting position	vertical	
Weight	5.6	kg

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 (RD20XMF)

Outline drawing



Constant current characteristics



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