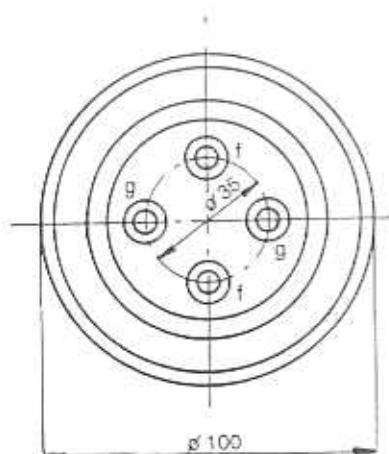
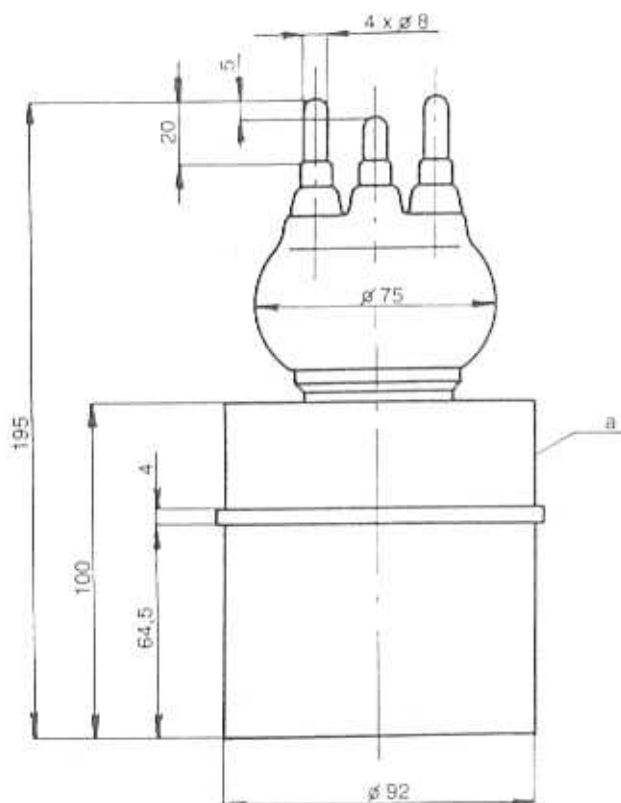




TESLA - ECIMEX a. s.



The RD 2 XF is a forced-air cooled, glass/metal power triode for frequencies up to 150 MHz. The maximum anode dissipation rating is 2 kW.

The RD 2 XF is primarily intended for use in broadcast transmitters or industrial generators as an R.F. or A.F. power amplifier or oscillator.

RD 2 XF

RD 2 XF

HEATING DATA

Filament voltage	V_f	12	V
Filament current	I_f	51	A
Cathode	tungsten, direct heating		

For allowed tolerances and other limitations see the General part of the catalogue.

MAXIMUM RATINGS

Anode voltage ($f = 150$ MHz)	V_a	3,6	kV ¹⁾
(up to 40 MHz)	U_a	5	kV ²⁾
Anode current	I_a	1	A
Grid voltage	V_g	-500	V
Grid current	I_g	200	mA
Anode dissipation	W_a	2	kW
Grid dissipation	W_g	130	W
Operating frequency	f	150	MHz

1) 2,5 kV with anode modulation
2) 3,5 kV with anode modulation

GENERAL DATA

Electrical

Interelectrode capacitances	C_{kg}	10	pF
	C_{ag}	10	pF
	C_{ak}	1	pF
Transconductance (at $V_a = 3$ kV, $I_a = 0,4$ A)	S	approx. 5,5	mA/V
Amplification factor (at $V_a = 5$ kV, $I_a = 0,4$ A)	μ	approx. 24	
Emission current (at $V_a = V_g = 1$ kV)	I_e	min. 5	A

Mechanical

Mounting position	vertical		
Weight	approx.	3,3	kg

Cooling

anode	forced air		
electrode terminals	low velocity air flow		
Inlet air temperature		-15 to +40	°C
Air flow at maximum ratings		3,5	m³/min
Pressure drop		650	Pa
Maximum temperature of electrode terminals		180	°C
of glass bulb		170	°C
of anode		140	°C
Increase of outlet cooling air temperature	max.	40	°C

For other limitations see the General part.

CONSTANT CURRENT CHARACTERISTICS

