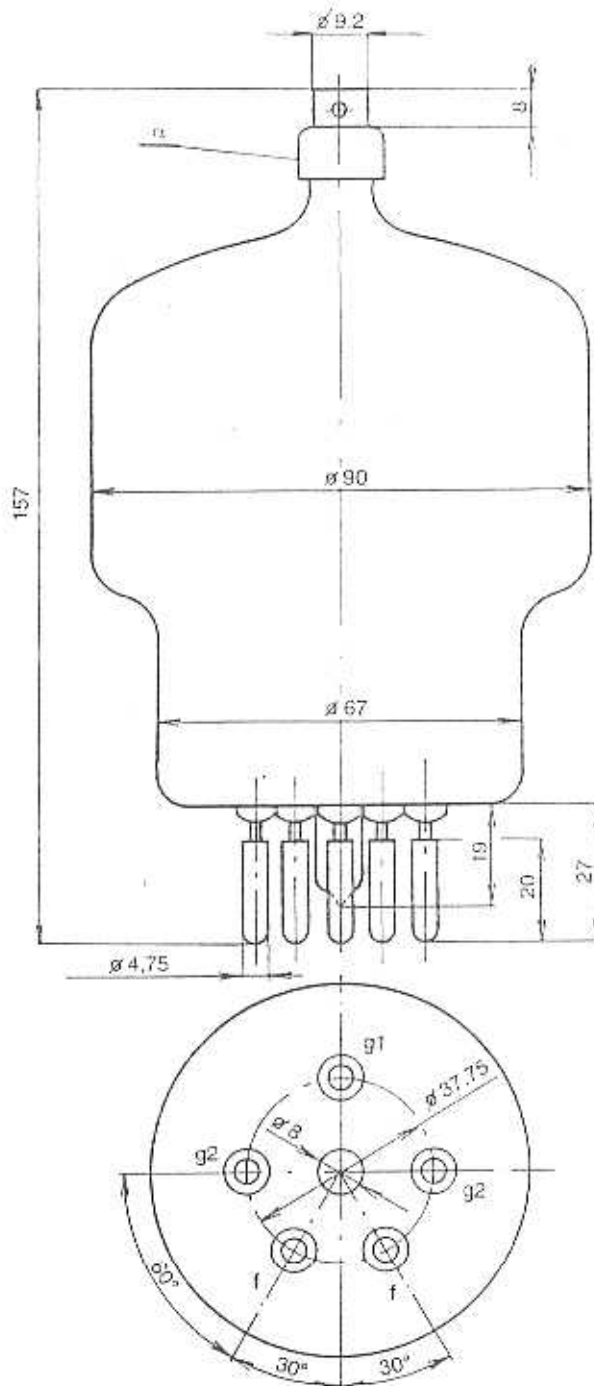




TESLA - ECIMEX a. s.



The RE 400 C is a radiation-cooled power tetrode with glass envelope for frequencies up to 235 MHz. The maximum anode dissipation rating is 400 W.

The RE 400 C is primarily intended for use as an A.F. or R.F. power amplifier, oscillator or frequency multiplier, in VHF TV, FM or HF transmitters or an oscillator.

RE 400 C

RE 400 C

HEATING DATA

Filament voltage	V_f	5	V
Filament current	I_f	15	A
Cathode	thoriated tungsten, direct heating		

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

MAXIMUM RATINGS

Anode voltage (f = 235 MHz)	V_a	2,5	kV
(up to 120 MHz)	V_a	4	kV
Screen grid voltage	V_{g2}	600	V
Control grid voltage	V_{g1}	-500	V
Anode mean current	I_{an}	350	mA
Anode dissipation	W_a	400	W
Screen grid dissipation	W_{g2}	40	W
Control grid dissipation	W_{g1}	15	W
Operating frequency	f	235	MHz

GENERAL DATA

Electrical

Interelectrode capacitance	$C_{k/g1}$	5,7	pF
	$C_{a/g2}$	5,6	pF
	$C_{a/g1}$	0,20	pF
Transconductance	S	min. 4,5	mA/V

($V_a = 2000$ V, $V_{g2} = 450$ V, $I_a = 200$ mA)

Amplification factor	$\mu_{g2/g1}$	5	
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($V_a = 2$ kV, $I_a = 0,2$ A, $V_{g2} = 475$ V)

Emission current	I_e	2,5	A
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($V_a = V_{g2} = V_{g1} = 800$ V)

Mechanical

Mounting position	vertical		
Weight	approx.	0,25	kg

Cooling

Ambient temperature		radiation / low velocity air flow	
Air flow		-15 to +45	°C
Maximum temperature of surface		1	m ³ / min.
		170	°C

In cases when the maximum permissible temperature is likely to be exceeded, a low velocity air flow has to be directed onto the anode seal and the bottom of the envelope.

It is recommended to operate the tube inside a glass air chimney which concentrates the air flow.

For other limitations see the General part.

