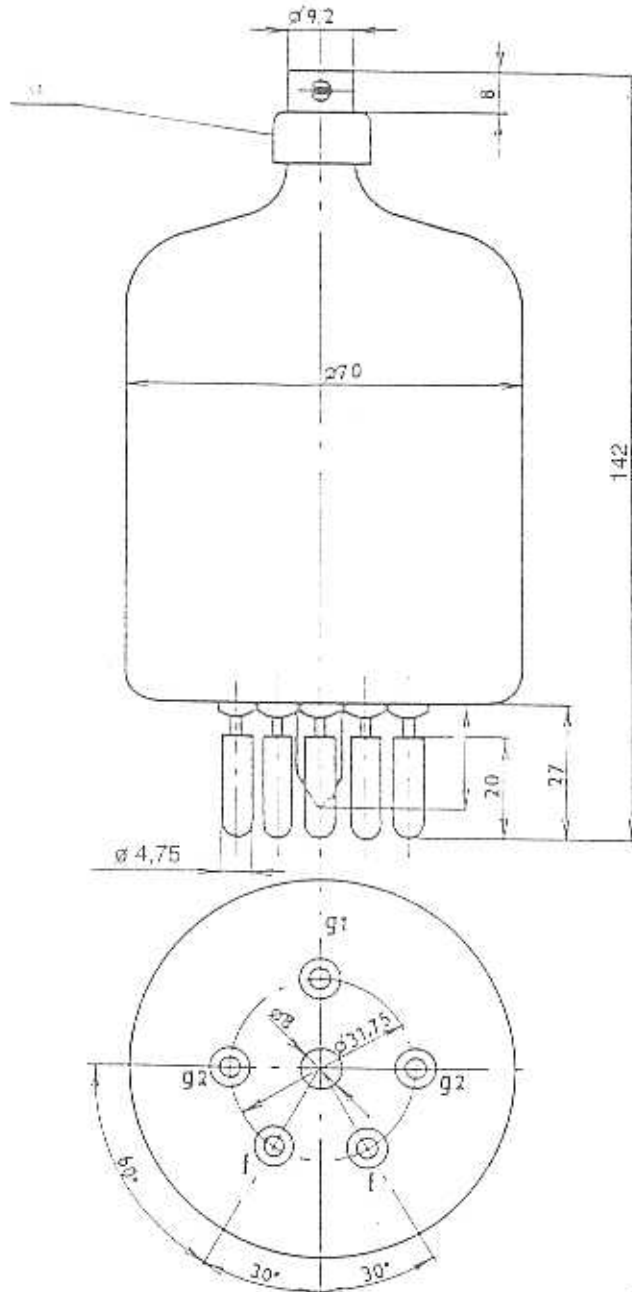




TESLA - ECIMEX a. s.



The RE 125 C is a radiation-cooled power tetrode with glass envelope for frequencies up to 235 MHz. The maximum anode dissipation rating is 125 W.

The RE 125 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.

RE 125 C

RE 125 C

HEATING DATA

Filament voltage	V_f	5	V
Filament current	I_f	7,2	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	3	kV
Screen grid voltage	V_{g2}	400	V
Control grid voltage	V_{g1}	-500	V
Anode mean current	I_{am}	250	mA
Anode dissipation	W_a	125	W
Screen grid dissipation	W_{g2}	20	W
Control grid dissipation	W_{g1}	5	W
Operating frequency	f	235	MHz

GENERAL DATA

Electrical

Interelectrode capacitance	$C_{k,g1}$	13,5	pF
	$C_{a,g2}$	4,5	pF
	$C_{a,g1}$	0,11	pF
Transconductance	S	min. 2,2	mA/V
(at $V_a = 1250$ V, $V_{g2} = 350$ V, $I_a = 75$ mA)			
Emission current	I_e	2	A
(at $V_a = V_{g2} = V_{g1} = 750$ V)			

Mechanical

Mounting position	vertical		
Weight	approx.	0,16	kg

Cooling

Ambient temperature	radiation / low velocity air flow		
		-15 to +45	°C
Air flow		0,3	m ³ /min.
Maximum temperature of surface		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.

CONSTANT CURRENT CHARACTERISTICS

