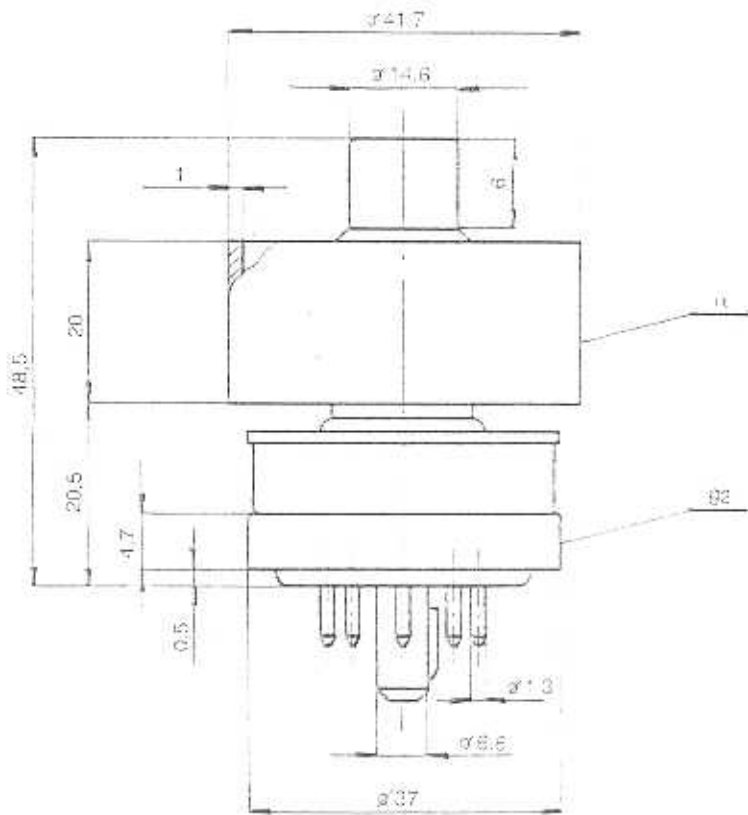


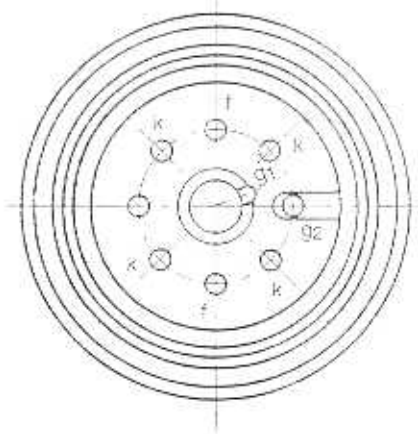


TESLA - ECIMEX a. s.



The RE 025 XB is a forced-air cooled, ceramic / metal power tetrode for frequencies up to 500 MHz. The maximum anode dissipation rating is 250 W.

The RE 025 XB is primarily intended for use as an R.F. power amplifier, oscillator, frequency multiplier, wideband and pulse amplifier.



RE 025 XB

RE 025 XB

HEATING DATA

Heater voltage	V_h	6	V
Heater current	I_h	2,6	A
Cathode	oxide, indirect heating		
Tube heating time (minimum)	t_h	1	min.

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

MAXIMUM RATINGS

Anode voltage	V_a	2	kV
.....	$V_a^{(*)}$	1,5	kV
Screen voltage	V_{g2}	400	V
Control grid voltage	V_{g1}	-275	V
Anode mean current	I_{am}	250	mA
Anode dissipation	W_a	250	W
Screen grid dissipation	W_{g2}	12	W
Control grid dissipation	W_{g1}	2	W
Operating frequency	f	500	MHz

*) Up to 175 MHz with anode modulation.

GENERAL DATA

Electrical

Interelectrode capacitances			
Input capacitance (grounded-cathode)		16,5	pF
Output capacitance (in shielding fixture)		6	pF
Transconductance	S	min. 12	mA/V
(at $V_a = 500$ V, $V_{g2} = 250$ V, $I_a = 200$ mA)			

Mechanical

Mounting position	arbitrary		
Weight	approx.	0,12	kg

Cooling

forced air			
Inlet air temperature		max. +45	°C
Air flow		0,1	m ³ /min.
Pressure drop		64	Pa
Maximum temperature of anode		250	°C
..... of any other part		220	°C
..... of electrode terminals		175	°C

For other limitations see the General part.

CONSTANT CURRENT CHARACTERISTICS

$V_{g_2} = 250V$

- $I_{g_1}(A)$
- $I_{g_2}(A)$
- $I_a(A)$

