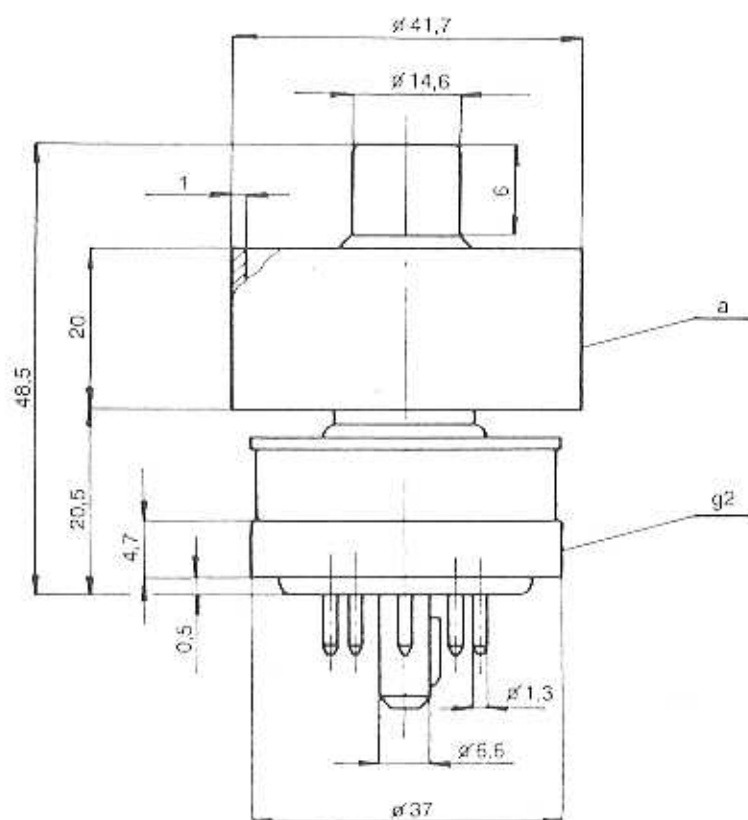




TESLA - ECIMEX a. s.



The RE 035 XB is a forced-air cooled, ceramic/metal power tetrode for frequencies up to 500 MHz.

The maximum anode dissipation rating is 350 W.

The RE 035 XB is primarily intended for use as an R.F. power amplifier, modulator or class AB A.F. amplifier.

RE 035 XB

RE 035 XB

HEATING DATA

Heater voltage	V_h	6	V
Heater current	I_h	3,3	A
Cathode	oxide-coated, 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	2,5	kV
Screen grid voltage	V_{g2}	400	V
Control grid voltage	V_{g1}	-150	V
Anode mean current	I_{am}	300	mA
Anode dissipation	W_a	350	W
Screen grid dissipation	W_{g2}	8	W
Control grid dissipation	W_{g1}	2	W
Operating frequency	f	500	MHz

GENERAL DATA

Electrical

Interelectrode capacitances			
Input capacitance	C_{kg}	19	pF
Output capacitance (in shielding fixture)	$C_{a/g2}$	6	pF
Transconductance			
(at $V_a = 500$ V, $V_{g2} = 300$ V, $I_a = 200$ mA)	S	min. 21	mA/V
Amplification factor			
($V_{g2} = 250 \div 300$ V)	$\mu_{g2/g1}$	13	

Mechanical

Mounting position	vertical		
Weight		0,125	kg

Cooling

forced air			
Inlet air temperature		max. +45	°C
Air flow at maximum ratings		0,22	m ³ /min
Pressure drop (across the anode radiator)		300	Pa
Maximum temperature of anode		250	°C
of any other part		220	°C

For other limitations see the General part.

CONSTANT CURRENT CHARACTERISTICS

$V_{g_2} = 300V$

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

