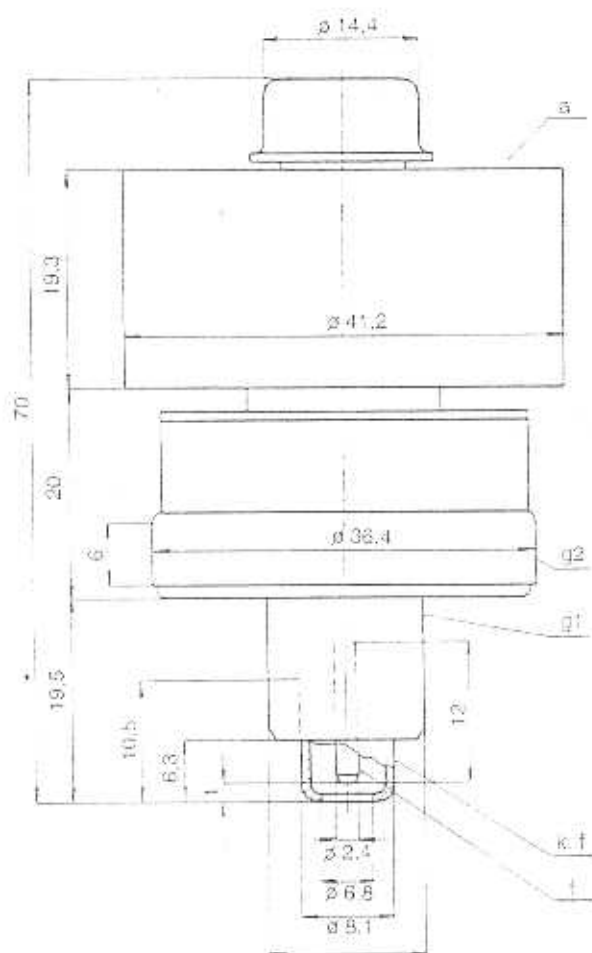




TESLA - ECIMEX a. s.



The RE 025 XM is a forced air cooled, ceramic/metal tetrode for frequencies up to 1000 MHz, with coaxial arrangement of electrode terminals.

The maximum anode dissipation rating is 250 W.

The RE 025 XM is primarily intended for use as an UHF power amplifier.

RE 025 XM

RE 025 XM

HEATING DATA

Heater voltage	V_H	6	V
Heater current	I_H	2,6	A
Cathode		oxide-coated, indirect heating	
Cathode 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}	1,5	kV
Screen grid voltage	V_{g2}	400	V
Control grid voltage	V_{g1}	-250	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	1000	MHz

¹⁾ For plate-modulated stages.

At frequencies over 500 MHz the operating conditions should be consulted with the manufacturer.

GENERAL DATA

Electrical

Interelectrode capacitances			
Input capacitance (grounded cathode)		30	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		max. 0,13	kg

Cooling

	forced air		
Inlet air temperature		max. +45	°C
Air flow		0,11	m ³ /min
Pressure drop (across the anode radiator)		40	Pa
Maximum temperature of anode		250	°C
of any other part		220	°C

For other limitations see the general part.

CONSTANT CURRENT CHARACTERISTICS

