

TESLA RE 025 XM / 4CX250M

POWER TETRODE manufactured by Tesla Vršovice s.r.o. Czech Republic

Brief data

The RE 025 XB is a forced air cooled ceramic/metal power 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.

HEATING DATA

Filament voltage	V_f	6	V
Filament Current	I_f	2,6	A
Cathode	oxide, indirect heating		
Tube heating time (minimum)	t_f	1	min

MAXIMUM RATINGS

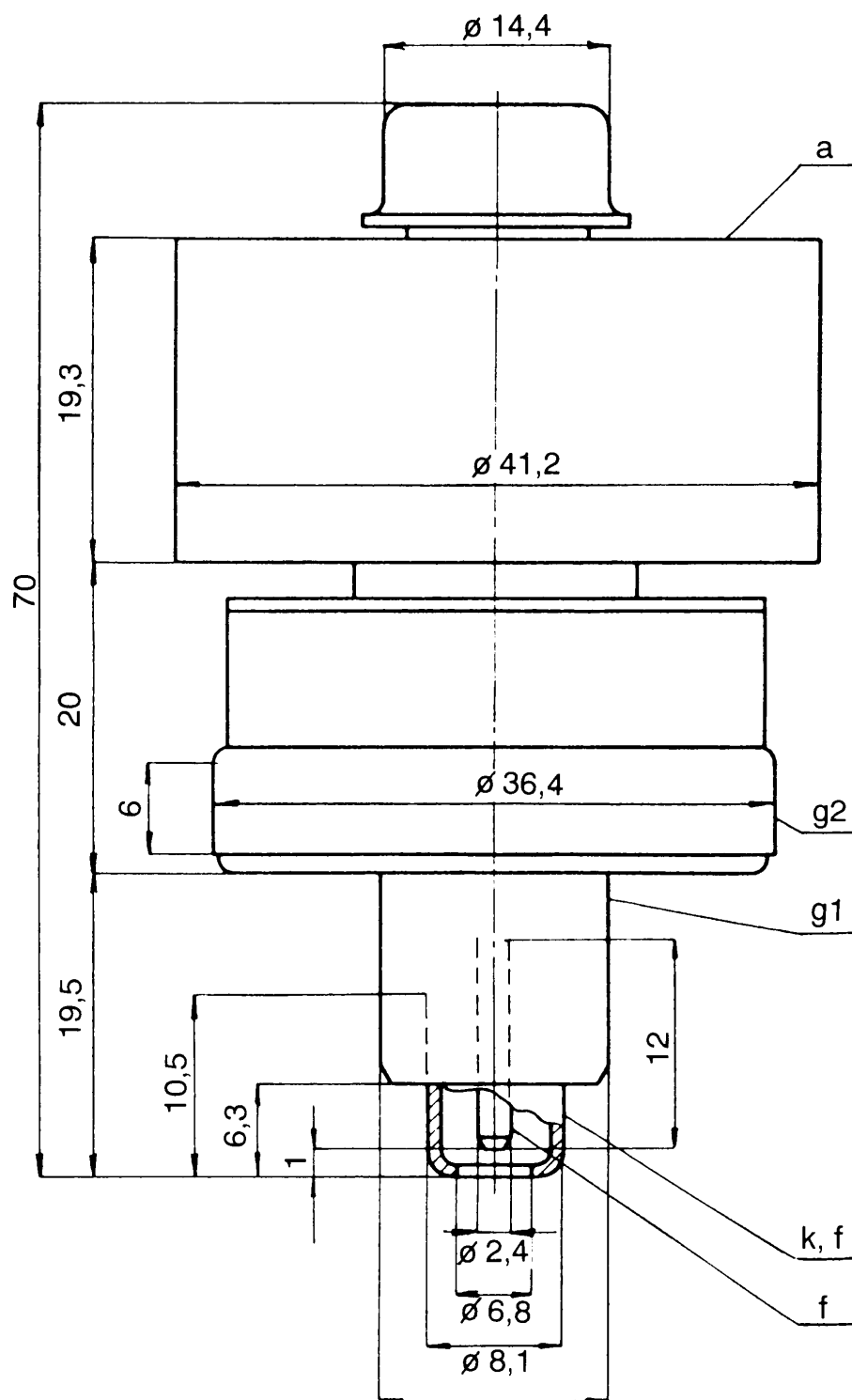
Anode voltage	V_a	2	kV
up to 175 MHz with anode modulation	V_a	1,5	kV
Screen voltage	V_{g2}	400	V
Control grid voltage	V_{g1}	- 275	V
Anode mean current	I_{am}	250	mA
Anode dissipation	W_a	250	W
Screen grid dissipation	W_{g2}	12	W
Control grid dissipation	W_{g1}	2	W
Operating frequency	f	1000	MHz

GENERAL DATA

Electrical			
Interelectrode capacitances			
Input capacitance (grounded-cathode)		30	pF
Output capacitance (in shielding fixture)		6	pF
Transconductance (at $V_a = 500$ V, $V_{g2} = 250$ V, $I_a = 200$ mA)	S	min. 12	mA/V
Mechanical			
Mounting position	arbitrary		
Weight	approx.	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

Distributor:

DIMENSIONAL DRAWING



CONSTANT CURRENT CHARACTERISTICS
