

Tetrode

FU252F

OUTPUT POWER 225W WITH RF AMPLIFIER FOR CLASS C

OUTPUT POWER 440W WITH TV RF LINEAR AMPLIFIER FOR CLASS B

OUTPUT POWER 300W WITH RF LINEAR AMPLIFIER FOR CLASS AB1

GENERAL CHARACTERISTICS

Cathode	Oxide
Heating	Indirect
Heater voltage	6±0.3 V
Heater current	2.3-3A
Interelectrode capacitances(grounded cathode)	
Input	27 pF
Output	4.7pF
Transfer	0.04pF
Transconductance ($U_a=1500V$, $\Delta U_{g1}=2V$, $U_{g2}=250V$, $I_a=200mA$)	12mA/V
Internal amplification factor	5.2
Operating position	Any
Weight	150 g
Dimensions	See page 94
Anode cooling	Forced air
Air flow, min	200L/min
Temperature at the seal, max	250°C
Temperature on tube surface, max	200°C



TYPICAL OPERATION

Amplification for	RF TV	RF linear	RF linear
Class	C	B	AB1
Frequency [MHz]	500	216	175
Anode voltage [kV]	2	2	2
Screen-grid voltage [V]	300	350	350
Anode current [A]	0.25	0.36	0.36
Output power [W]	225	440	300

MAXIMUM RATINGS

Frequency	500 MHz
Anode DC voltage	2kV
Anode DC current	0.25 A
Screen grid DC voltage	400 V
Anode dissipation	250 W
Control-grid dissipation	2 W
Screen-grid dissipation	12 W



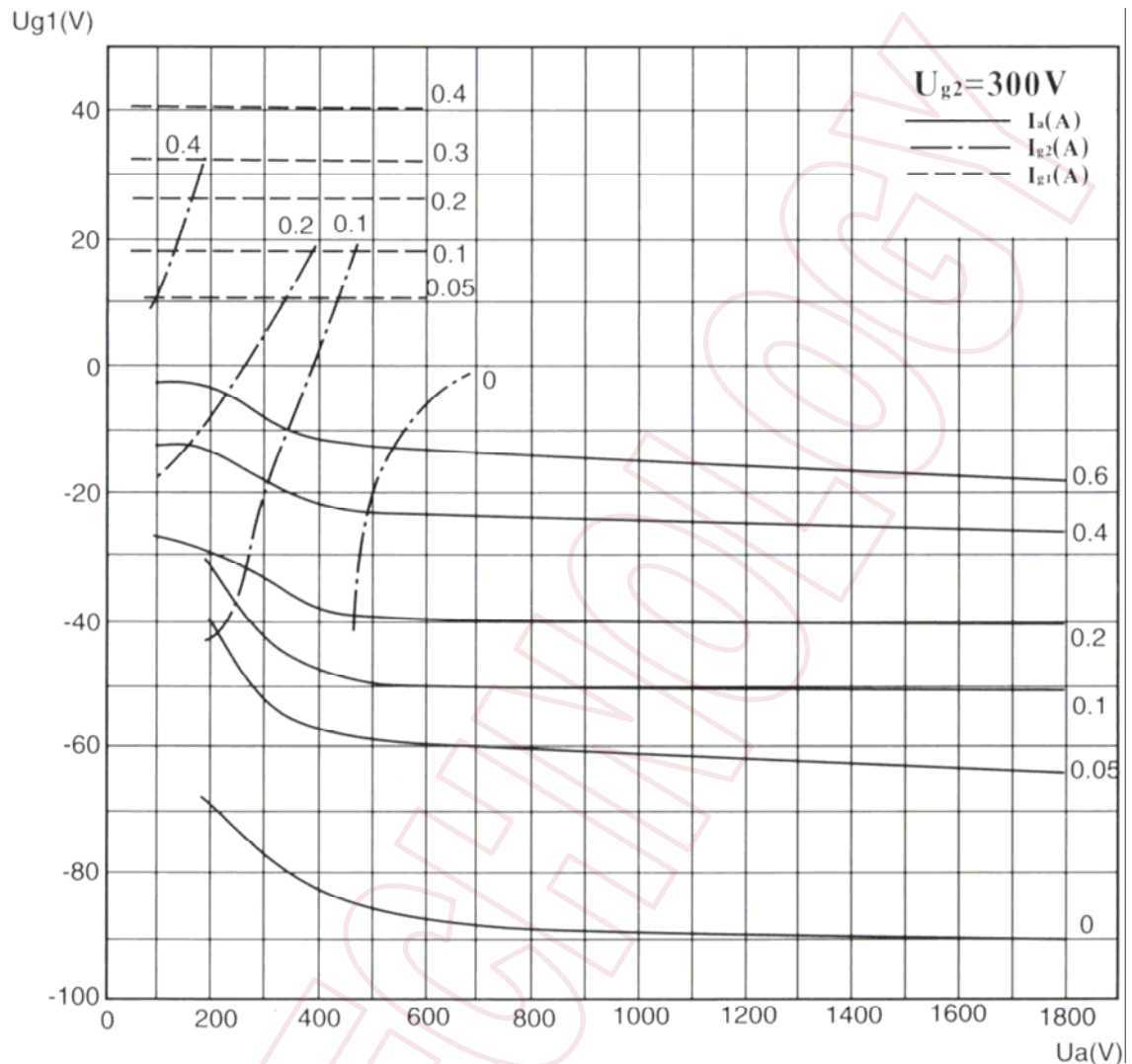
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