



ELECTRONIC TUBE REFERENCE

G811

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated tungsten-cathode transmitting triode designed primarily as an RF oscillator. Rated around 1.25 kV plate operation and 40 W dissipation, its rugged construction suits professional radio-frequency equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	40 W
<i>Promoted-field completeness audit performed from English ratings/characteristics.</i>	

The G-811 triode is used as an oscillator in RF equipment and has a directly heated tungsten cathode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Electronintorg

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 ELECTRONINTORG

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
eHepaTopHLIN Tpuog [1]	-811	eHepaTopHLIN Tpuog -811 npegHasHageH ana re- The '-811 triode is used as an oscillator in RF equip-
eHepaTopHLIN Tpuog [2]	-811	eHepaTopHLIN Tpuog -811 npegHasHageH ana re- The '-811 triode is used as an oscillator in RF equip-
grid [1]	167	Height: at most 167 mm. A - anode; 1, 4 - cathode; 3 - grid;
grid [2]	1	Height: at most 167 mm. A - anode; 1, 4 - cathode; 3 - grid;
grid [3]	4	Height: at most 167 mm. A - anode; 1, 4 - cathode; 3 - grid;
grid [4]	3	Height: at most 167 mm. A - anode; 1, 4 - cathode; 3 - grid;
temperature, °C - [1]	-60 C	Temneparypa okpyxaiowei cpeabl, °C Ambient temperature, °C —60to +70
temperature, °C - [2]	70 C	Temneparypa okpyxaiowei cpeabl, °C Ambient temperature, °C —60to +70
anode [1]	0 V	KoadcbuuymeHT yeuneHus (npy Hanps>KeHUsAX CeTKK Gain coefficient (at grid voltages 0 and —2 V and anode
anode [2]	-2 V	KoadcbuuymeHT yeuneHus (npy Hanps>KeHUsAX CeTKK Gain coefficient (at grid voltages 0 and —2 V and anode
grid [1]	2 A	Tok aHoAa (npu HanpskeHusax aHoga 2 kB, ceTku Anode current (at anode voltage 2 kV and grid

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
grid [2]	2 A	Tok aHoAa (npu HanpskeHusax aHoga 2 kB, ceTku Anode current (at anode voltage 2 kV and grid
voltage [1]	16 V	MUHYC2B),MA 16-36 voltage —2V), mA 16-36
voltage [2]	-36 V	MUHYC2B),MA 16-36 voltage —2V), mA 16-36
voltage [3]	-2 V	MUHYC2B),MA 16-36 voltage —2V), mA 16-36
voltage [4]	16 V	MUHYC2B),MA 16-36 voltage —2V), mA 16-36
voltage [5]	-36 V	MUHYC2B),MA 16-36 voltage —2V), mA 16-36
output [1]	4	BbIXOOAHAS ottt 0,4-0,8 output 0.4-038
output [2]	-8	BbIXOOAHAS ottt 0,4-0,8 output 0.4-038
output [3]	0.4	BbIXOOAHAS ottt 0,4-0,8 output 0.4-038
output [4]	-38	BbIXOOAHAS ottt 0,4-0,8 output 0.4-038
anode [1]	15 W	MouwHocTb BbixoAHAasA (Npy Hanps>keHun aHoaa 1,5 kB, Output power (at anode voltage 1.5 kV and anode
anode [2]	1.5 W	MouwHocTb BbixoAHAasA (Npy Hanps>keHun aHoaa 1,5 kB, Output power (at anode voltage 1.5 kV and anode
current [1]	150 mA	TOKe aHoga 150 MA), BT, He MeHee: current 150 mA), W, atleast:
current [2]	150 mA	TOKe aHoga 150 MA), BT, He MeHee: current 150 mA), W, atleast:
voltage, kV [1]	125 kV	... L. 1,25 Anode voltage, kV 1.25
voltage, kV [2]	1.25 kV	... L. 1,25 Anode voltage, kV 1.25
current (DC component), mA [1]	50 mA	Tok ceTku (NOCTOAHHANA cocTasnsAwas), MA 50 Grid current (DC component), mA 50
current (DC component), mA [2]	50 mA	Tok ceTku (NOCTOAHHANA cocTasnsAwas), MA 50 Grid current (DC component), mA 50

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
dissipation, W [1]	40 W	Paccevsaemas aHO4OM MOWHOCTL, BT 40 Anode dissipation, W 40
dissipation, W [2]	40 W	Paccevsaemas aHO4OM MOWHOCTL, BT 40 Anode dissipation, W 40

TUBE TINKER

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