



ELECTRONIC TUBE REFERENCE

6P1PEV

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Long-life rugged Russian output beam tetrode for low-frequency power amplification, designed to withstand substantial mechanical loads and provide extended service life.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 490 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	57522.5 Ω
TRANSCONDUCTANCE	0.0049 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	1.3 W
MAXIMUM CATHODE CURRENT	70 mA
<i>Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.</i>	

6I1IIN-EB Output beam tetrode Brixonnott sryyeBoii Terpon Kosroseunbii 6111T1- The 6ITIIT-EB long-life output beam tetrode EB npennasHayeH [/l yCUJEHHS MOLIHOTH HH3- is designed for amplification of low-frequency po-

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	6	6I1IIN-EB Output beam tetrode
Brixonnott sryyeBoii Terpon Kosroseunbii	6	Brixonnott sryyeBoii Terpon Kosroseunbii 6I11T1- The 6ITIIT-EB long-life output beam tetrode
KOH	4	KOH 4acTOTHl. wer.
Buixonnsie nyuesbie Terpoxbt	6	Buixonnsie nyuesbie Terpoxbt 6I11TI-EB Bminyc- The 6ITITI-EB output beam tetrodes are mi-
HoM	0 mA	HoM 0aJjioHe C JeBATHIITHIPbKOB0H HOXKKOMH, C OK- vided with a nine-pin base and an indirectly heat-
Buixoasuie syuessie Terpoxn OIIIIIT-EB yeroi- The	6	Buixoasuie syuessie Terpoxn OIIIIIT-EB yeroi- The 6TT1I{I-EB output beam tetrodes are re-
Published electrical value	40 A	95—98% npu remnepatype +- 40°C, a TakKke +40°C, as well as to mechanical loads: linear
K B0	10	K B03/IefICTBHIO MeXaHHUECKHX HAPy3oK: AUHEHUHBIX loads up to 100 g, vibration loads up to 10 g, mul-
Jo	35	Jo 100 g, BubGpanuonssix 1o 10 g, ynapHHX MHOIO- tiple impact loads up to 35 g and single impact
KpaTHbX no	300	KpaTHbX no 150 g, ymapuslx omuHouHBIX 10 300 g. loads up to 300 g.
FapantupoBannas poaroeeurHocts	5000	FapantupoBannas poaroeeurHocts 5000 uacos. Service life guarantee: 5000 hr.
Up	38 mA	Up 250V lyp?) <10 mA P, 2)% >38 W
) Hpr Uy, =	0	) Hpr Uy, =0.
Published electrical value	-125 V	2)) Af" U, Uge=250 V, Uy =—125 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	5 V	3) B AuHaMuuecKOM pexkuMe, NPH Ugi meif =88 V, R, =5 kQ.
Under dynamic conditions, at U _{gl ~ef} =	5	Under dynamic conditions, at U _{gl ~ef} =88V, R, =5 k.
Published electrical value	38 W	4) ITpu Ug]~' cooTReTcTBYOIE M Py =38 W.
At Uy corresponding to P, =	38 W	At Uy corresponding to P, =38 W.
Cor	0.7 pF	Cor 7H=17 pF Cota < 0,7 pF
Published electrical value	105 pF	C, 45+09 pF Cpn 105 pF
NPEAEJNBHO JONYCTUMBIE	3	NPEAEJNBHO JONYCTUMBIE 3KCNJAYATAILHOHHBIE NAHHBIE
UgQ	250 V	UgQ 250 V
Output beam tetrode	6	Output beam tetrode 6 r-l I I-I - E B
Published electrical value	22.5	22,5 max
Vgt =	20	Vgt =0V et S — 20V
Published electrical value	170 V	199 200 700 “00 Up. V 170 Uy/N,V(effj
— — = IgQ Ug	250 A	— — = IgQ Ug2=250 A% — — =K Ug2=250 vV
Published electrical value	240 W	g 7 P ; 7 Ran 0 w & 120 160 00 240 UV
Published electrical value	-63	—63V; (TpHOZHOE COeIuHERHE)
Py Up=	63	Py Up=63V; (triode connection)
— —K; Ugo =	63 V	- — —K; Ugo =250 V Uy 63V
Ugl~eff =	88	Ugl~eff =88V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HaunGoapmuit Bec	20	HaunGoapmuit Bec 20 e. Maximum weight: 20 gr.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Russian Tubes Mashpriborintorg

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	63 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	492325 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol S	49+1.1 mA/V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	<55 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	57.5225 k Ω	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Up	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cota	< 0.7 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol C,	45+09 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cpn	105 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	66 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I	70 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol UgQ	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ry	5 MΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	12 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol g2	1.3 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol T	6 a	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol a	220 °C	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

TUBE TINKER

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