

Power/output pentode designed for low-frequency or audio-frequency output amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 395 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.00445 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	60 mA
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

Output pentode 6IM30b BHIXOAHOM MEHTOX TMOBHIIIEHHOH HaACXKHOCrH The 6I130B output pentode of improved reliabi- 611306 mpennasnaued AJs paboThl B BHIXOJIHbIX Ka- lity is designed for operation in output stages of

SOURCE OPERATING CONDITIONS

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195X Russian

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

195X RUSSIAN

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output pentode	6	Output pentode 6IM30b
BHIXOAHOM MEHTOX TMOBHIIIEHHOH HaACXKHOCTH The	6	BHIXOAHOM MEHTOX TMOBHIIIEHHOH HaACXKHOCTH The 6I130B output pentode of improved reliabi-
Published electrical value	611306	611306 mpennasnaued AJs paboThl B BHIXOJIHbIX Ka- lity is designed for operation in output stages of
BuixooHble MEHTONbl MOBBLIIIEHHOH HAaJekKHOCTH The	6	BuixooHble MEHTONbl MOBBLIIIEHHOH HAaJekKHOCTH The 6I130B output pentodes of improved re-
Published electrical value	611305	611305 BBIIYCKAIOTCS B CBEPXMHHHATIOPHOM O(opM- liability are superminiature devices enclosed in
KaJsa. The	6	KaJsa. The 6I130b output pentodes are resistant to
Published electrical value	100	+125°C uw oTHocuTenbHofi BaaxkHocTn 95— 98% as to mechanical loads: linear loads up to 100 g,
npu temnepatype	15 A	npu temnepatype +40°C, a Takxe K BO3JEHCTBHIO vibration loads up to 15 g, multiple impact
MeXaHHyECKHX Harphysok: JyuHeiHbix po	100	MeXaHHyECKHX Harphysok: JyuHeiHbix po 100 g, Bu-
loads up to	150	loads up to 150 g and single impact loads up to
Published electrical value	500	6paunOHbIX N0 15 g, yZapHBIX MHOTOKPATHBIX A0 500 g.
Published electrical value	500	150 g, ymapublx oxuHouHbIX g0 500 g.
TCapantupoBanHas pgoaroseudoct	1000	TCapantupoBanHas pgoaroseudoct 1000 wacos. Service life guarantee: 1000 hr.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	0	U, 120V I, 13%0imA
Published electrical value	1	1) Jna aBTOMaTHYeCKOTO CMEIMIEHHS.
Cyy	6 pF	Cyy 123 pF Cpra <06 pF
Cak	3 pF	Cak 4,2:1,:3 pF Cp <I129pF
NPEAENLHO JONYCTUMBIE	3	NPEAENLHO JONYCTUMBIE 3KCNJAYATAILUOHHBIE JAHHBIE
UgQ	1 V	UgQ 250 V Rgl 1 MQ
Published electrical value	280 W	P, 55 W Toanmona 280°C
Published electrical value	40	1y Tlpu sameproil gamme, npu I, << 40 pA.
With the tube cutoff, at I, <{	40	With the tube cutoff, at I, <{40 pA.
L)	48	L) 48 max
Published electrical value	40 A	40 400 CES dall w E A 40 y
Published electrical value	-20	10 / 1 10 Ton--8V - 12V - 14V~16V -20V
Published electrical value	140 A	a 2 4 6 8 Un Vv 0 20 40 60 80 100 120 140 UgV
—_—	120 V	—_— 1 Ug,=120V - — =1, Ugo=120 V
_____	-14	_____ 1g2 Ugl =—14V "" P max
ANAN, /	1	ANAN, /1 / },
/ /	4	//.4' S // Jyn
ADADS	30	ADADS 6 30 30 N
A TR N W NI A =	10 A	- A TR N W NI A = 10 AAA A _ Ly
UprV	2.1	UprV-28 -24 16 -12 -4 —4 0 0 20 40 60 80 100 120 140 1{?2,1/
L.a gy S=	1 A	L.a gy S=1(Uy) I, Iy =1(Uyy)

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Haubosnbmuit Bec	6.5	Haubosnbmuit Bec 6,5 e Maximum weight: 6.5 gr.



1970 Russian Tubes Mashpriborintorg

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1970 RUSSIAN TUBES MASHPRIBORINTORG
Section 1 · Pentode

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,	39535 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	35±8 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	120 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Uy,	120 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cyy	123 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cpra	<06 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I12	9 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	7 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Pg2	2 W	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 I	60 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	350 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U	200 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 Rgl	1 MΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	55 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Toanmona	280 °C	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.



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1981 Russian Tubes Katsnelson and Larionov

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1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	395 mA	Published source value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4450 uS	Published operating point
Guaranteed service life	1500 h	Published source value

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