



ELECTRONIC TUBE REFERENCE

2P1P

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Directly heated Russian beam-output tube for low-frequency power amplification in battery equipment, delivering modest audio output from economical low-voltage supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.2 V / 120 mA	PARALLEL HEATER	1.2 V / 120 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0017 S
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	15.5 mA
<i>REDO promoted fields populated from published specification/maximum-rating tables where applicable.</i>	

The 2P1P is a directly heated output beam tetrode designed to amplify low-frequency power.

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
Anode voltage	90 V	Parallel filament connection
Grid 2 voltage	90 V	Parallel filament connection
Grid 1 voltage	-4.5 V	Published operating point
Anode current	9.5 mA	Parallel filament connection
Grid 2 current	2.2 mA	Parallel filament connection
Transconductance	1.7 mA/V	Parallel filament connection
Output power after 1000 h	135 mW	Aging test

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power	210 mW	Grid 1 AC; 10 kOhm load