



ELECTRONIC TUBE REFERENCE

6A3P

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Russian two-control-grid beam valve designed for amplitude limiting, modulation detection, and coincidence-gate service, with pulse-current ratings and a published 21,000-hour service life.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 295 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.012 S
<i>Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.</i>	

The 6A3P is a beam valve with two control grids for amplitude limiting, modulation detection, and coincidence-gate service.



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	75 V	Published operating point
Accelerator and grid 2 voltage	75 V	Published operating point
Anode current	54 mA	Grid 1 and grid 3 about 4 V
Accelerator current	8 mA	Published value
Grid 1 pulse current	650 mA	At 10 V
Grid 3 pulse current	400 mA	At 10 V
Grid 1 transconductance	12 mA/V	Average
Grid 3 transconductance	0.95 mA/V	Average



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	54+165 MA	Ток анода. В еea 54+165MA
Service life	21000 h	Наработка . . . г у ке к, 21000 ч