



ELECTRONIC TUBE REFERENCE

GU80

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Russian high-power pentode designed for substantial power service. Manufacturer documentation identifies it as a power-class device rather than a receiving-type signal pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	12.6 V / 10.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	450 W
MAXIMUM SCREEN DISSIPATION	120 W
<i>Full electrical-data audit completed for this tube.</i>	

The GU80 is a high-power pentode.



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 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	12.6 V	Nominal +/-6%

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	10.5 A	Maximum
Anode voltage	3000 V	Maximum
Screen-grid voltage	600 V	Maximum
Anode dissipation	450 W	Maximum
Screen-grid dissipation	120 W	Maximum
Control-grid dissipation	10 W	Maximum
Envelope temperature	350 degC	Maximum

TUBE TINKER

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and their source documents.

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