



ELECTRONIC TUBE REFERENCE

SV57230

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Svetlana medium-mu 572-family power triode for audio and linear power amplification. With about 1 kV plate capability and 125 W dissipation, it balances useful voltage gain with substantial output capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	4600 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	29.5
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	210 mA
<i>Published ratings/characteristics promoted where unambiguous.</i>	

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

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

199X SVETLANA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
applications where a triode such as	—	SourcePage1-2
Voltage (AC or DC) 6.3 ±	0.3 V	SourcePage1-2
Current	4 A	SourcePage1-2
Plate resistance (nominal)	4600 ohms	SourcePage1-2
Grid to plate	8 pF	SourcePage1-2
Grid to filament	7 pF	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC plate voltage	1000 V	SourcePage1-2
Maximum-signal DC plate current	210 mA	SourcePage1-2
Plate Dissipation	125 W	SourcePage1-2
Grid Current	50 mA	SourcePage1-2
Grid voltage +5	0 V	TypicalOperation
DC Plate current, zero signal 60	100 mA	TypicalOperation
DC Plate current, max signal 80	150 mA	TypicalOperation
Plate load resistance 10,000	10000 ohms	TypicalOperation
Power output at distortion above 9	29 W	TypicalOperation
DC Plate voltage	1000 V	TypicalOperation
Grid voltage	-10 V	TypicalOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Plate current, zero signal	150 mA	TypicalOperation
DC Plate current, max signal	230 mA	TypicalOperation
Plate load resistance	9600 ohms	TypicalOperation
Power output at distortion above	78 W	TypicalOperation
Vg =	80 v	TypicalOperation
Vg =	0 v	TypicalOperation
Vg =	20 v	TypicalOperation