



ELECTRONIC TUBE REFERENCE

P502

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Power-capable pentode documented for amplification, transmitting, pulse, or deflection service. Manufacturer ratings support demanding output applications rather than ordinary small-signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0035 S
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	40 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM GRID DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	230 mA
<i>Published ratings and characteristics promoted where unambiguous; additional source values preserved as parameters.</i>	

A pentode intended for amplification, transmitting, pulse, or deflection service, with published heater, operating, and limiting data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	12.6 V	Nominal
HeaterCurrentNominal	750 mA	Nominal
Maximum Plate Voltage	1000 V	—
Maximum Screen Voltage	300 V	—
Maximum Plate Dissipation	40 W	—
Maximum Screen Dissipation	5 W	—
MaximumGridDissipation	1 W	—
Maximum Cathode Current	230 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	3500 μ S	Typical

TUBE TINKER

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and their source documents.

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