



ELECTRONIC TUBE REFERENCE

7699

Voltage - Dual Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-PENTODE

Long-life wideband push-pull amplifier tube for test instruments, distributed amplifiers, and computers, using two sections with common screen and cathode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	1.25 W
MAXIMUM CATHODE CURRENT	50 mA
Published ratings/characteristics promoted from the source; representative section used for repeated identical systems where applicable.	

SECTION2 Pentode	
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	1.25 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Second physical pentode section; electrically identical twin section.</i>	

Wide-band push-pull amplifier tube for test instruments, distributed amplifiers, and computers. It uses two amplifier sections with a common screen and cathode and is intended for long-life reliable circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	7500 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	275 V	—
Maximum Plate Dissipation	3 W	—
Maximum Screen Dissipation	1.25 W	—
Maximum Cathode Current	50 mA	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker