



ELECTRONIC TUBE REFERENCE

7534

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-current twin triode intended for demanding amplifier and control service, combining relatively low plate resistance with substantial current and dissipation capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.7 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2725 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	27.9 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM GRID DISSIPATION	0.1 W
MAXIMUM CATHODE CURRENT	300 mA
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

SECTION2 Triode	
PLATE RESISTANCE	2725 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	27.9 W
MAXIMUM GRID DISSIPATION	0.1 W
MAXIMUM CATHODE CURRENT	300 mA
<i>Second physical triode section; electrically identical twin section.</i>	

7534 is listed in the supplied Amperex material as a high-current twin triode. Published electrical ratings and operating data were captured from the supplied table.



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	1.7 A	—
Maximum Plate Voltage	900 V	—
Maximum Plate Dissipation	27.9 W	—
Maximum Screen Voltage	250 V	—
Maximum Screen Dissipation	5 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	10000 ohm	—
Transconductance	25000 uS	—
Amplification Factor	6.5	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Published rating

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament current	1.7 A	Published rating
Amplification factor	17	Published table
Plate resistance	2725 ohm	Published table
Transconductance	6500 μS	Published table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	35 mA	Published table
Maximum plate voltage	300 V	Published table

TUBE TINKER

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