

ELECTRONIC TUBE REFERENCE

7459

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled high-power transmitting triode for FM and television broadcast service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 30 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.015 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM PLATE DISSIPATION	4000 W
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

7459 is listed in the supplied Amperex material as a forced-air-cooled transmitting triode for broadcast FM/TV service. 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	12.6 V	—
Heater/Filament Current	30 A	—
Maximum Plate Voltage	6500 V	—
Maximum Plate Dissipation	4000 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	15000 μ S	—
Amplification Factor	32	—



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	12.6 V	Published rating
Heater/filament current	30 A	Published rating
Amplification factor	32	TransmittingService

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	4000 W	TransmittingService
Plate voltage	6000 V	TransmittingService
Plate current	1.5 A	TransmittingService
Power output	6900 W	TransmittingService
Grid bias	-400 V	TransmittingService
Grid current	310 mA	TransmittingService
Maximum frequency	110 MHz	FullInputWatts

TUBE TINKER

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