

ELECTRONIC TUBE REFERENCE

6758

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled high-power RF triode for industrial oscillator and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	1180 Ω
TRANSCONDUCTANCE	0.0077 S
AMPLIFICATION FACTOR	9
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM GRID DISSIPATION	33 W
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

Water-cooled low-impedance RF industrial oscillator.



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	33 A	—
Maximum Plate Voltage	7000 V	—
Maximum Plate Dissipation	6000 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	1180 ohm	—
Transconductance	7700 uS	—
Amplification Factor	9	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	6000 W	—
Typical plate voltage	7000 V	RF industrial service
Typical plate current	1.72 A	RF industrial service

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical power output	6000 W	RF industrial service
Typical grid voltage	-820 V	RF industrial service
Typical grid current	82 mA	RF industrial service
Grid full-input power	30 W	RF industrial service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	14 pF	—
Grid-to-filament capacitance	12 pF	—
Plate-to-filament capacitance	1 pF	—

TUBE TINKER

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