

ELECTRONIC TUBE REFERENCE

6756

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled low-impedance RF industrial oscillator triode for induction and dielectric heating.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 100 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0114 S
AMPLIFICATION FACTOR	13.5
MAXIMUM PLATE VOLTAGE	12500 V
MAXIMUM PLATE DISSIPATION	20000 W
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

Water-cooled low-impedance RF industrial oscillator for induction and dielectric heating.



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	7.5 V	—
Heater/Filament Current	100 A	—
Maximum Plate Voltage	12500 V	—
Maximum Plate Dissipation	20000 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	11400 μ S	—
Amplification Factor	13.5	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	12000 V	RFPower
Plate current	3.5 A	RFPower
Power output	30640 W	RFPower
Grid voltage	-1220 V	RFPower

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid current	210 mA	RFPower
Maximum frequency	30 MHz	FullInput

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	47.6 pF	—
Grid-filament capacitance	25.1 pF	—
Plate-filament capacitance	1.5 pF	—

TUBE TINKER

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and their source documents.

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