



ELECTRONIC TUBE REFERENCE

7540

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Very-high-power directly heated triode; available source material does not establish a narrower functional application confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 250 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	35000 W
MAXIMUM CATHODE CURRENT	10 A
<i>Published ratings and characteristics promoted where clearly applicable; additional source values retained as section parameters.</i>	

Water-cooled low-mu power triode for zero-drive modulator and audio-frequency service with 35 kW plate-dissipation capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Published nominal/representative value
Heater or filament current	250 A	Published nominal/representative value
Amplification factor	5	Published

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	35000 W	Published
Maximum plate input	70 kW	Published

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	50 pF	Approximate
Grid-to-filament capacitance	65 pF	Approximate
Plate-to-filament capacitance	8 pF	Approximate

TUBE TINKER

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and their source documents.

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