

ELECTRONIC TUBE REFERENCE

3Q191E

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Water-cooled RF power triode for high-power transmitting service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	5000 W
Values transcribed from the approved datasheet; additional published data retained as parameters.	

Water-cooled RF triode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to anode	12 pF	Published direct interelectrode capacitance
Grid to filament	5 pF	Published direct interelectrode capacitance
Anode to filament	1.5 pF	Published direct interelectrode capacitance
Heater/filament nominal current	33 A	Nominal published value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridToAnodeCapacitance	12 pF	—
Grid To Filament Capacitance	11.5 pF	—
AnodeToFilamentCapacitance	1.5 pF	—
PeakEmission	12 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectAnodeCurrent	2 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectGridCurrent	250 mA	—

TUBE TINKER

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and their source documents.

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