

ELECTRONIC TUBE REFERENCE

3J191E

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Air-blast-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	
PLATE RESISTANCE	3450 Ω
AMPLIFICATION FACTOR	26
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM CATHODE CURRENT	2 A
Values transcribed from the approved datasheet; additional published data retained as parameters.	

Air-blast-cooled RF power 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
Anode to grid	12.5 pF	Published direct interelectrode capacitance
Anode to filament	2 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	12.5 pF	—
Grid-cathode/filament capacitance	11 pF	—
Anode-cathode/filament capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency for published rating	50 MHz	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Air blast	—