



ELECTRONIC TUBE REFERENCE

33A138A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin power triode containing two identical sections for high-frequency RF amplification. The paired systems provide compact push-pull transmitter operation, with published output around 14 W and useful service extending to approximately 300 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4700 Ω
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Representative section for repeated identical physical sections.</i>	

SECTION2 Triode	
PLATE RESISTANCE	4700 Ω
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Identical second physical section; duplicated from representative section per physical-section-row policy.</i>	

Twin triode; both sections identical; identical-section compression applied.



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	2.7 pF	—
Grid-cathode capacitance	6 pF	—
Anode-cathode capacitance	0.3 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency for ratings	100 MHz	—
Maximum frequency of operation	300 MHz	—



SOURCE OPERATING CONDITIONS

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency at full ratings	100 MHz	—
Maximum operating frequency	300 MHz	—
RF power output	14 W	—

TUBE TINKER

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and their source documents.

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