



ELECTRONIC TUBE REFERENCE

3BI51A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Oxide-coated filament power triode documented for power service. The available manufacturer source gives triode characteristics and interelectrode capacitances but is comparatively sparse about a narrower specialized application.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4.5 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	3500 Ω
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	50 mA

Oxide-coated filament power triode.



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	6.2 pF	—
Grid-cathode/filament capacitance	5 pF	—
Anode-cathode/filament capacitance	3.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct grid current	10 mA	—

TUBE TINKER

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