

ELECTRONIC TUBE REFERENCE

3AI07B

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Telephone repeater triode for professional communications amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5500 Ω
TRANSCONDUCTANCE	0.0012727272727272728 S
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	190 V

Directly heated repeater triode; B version uses the standard 5-pin British base.



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
GridToAnodeCapacitance	4.7 pF	—
GridToCathodeOrFilamentCapacitance	6.2 pF	—
AnodeToCathodeOrFilamentCapacitance	2.1 pF	—

TUBE TINKER

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