



ELECTRONIC TUBE REFERENCE

3A105B

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-noise Standard Valves triode designed for sensitive small-signal amplification where reduced internally generated noise is important.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	13 V / 190 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	19000 Ω
TRANSCONDUCTANCE	0.0021 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Published triode ratings/characteristics promoted from the approved datasheet.</i>	

3A105B is a low noise triode described in the Standard Valves datasheet. The source provides construction, electrical constants, limiting conditions, and operating information.

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-anode capacitance	1.5 pF	Direct inter-electrode capacitance
Grid-cathode capacitance	2.4 pF	Direct inter-electrode capacitance
Anode-cathode capacitance	4.5 pF	Direct inter-electrode capacitance

TUBE TINKER

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