



ELECTRONIC TUBE REFERENCE

3A109B

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Printed replacement/cross-designation for 3A109A, a repeater triode intended for telephone transmission-amplifier service in communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
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	12000 Ω
AMPLIFICATION FACTOR	6
MAXIMUM PLATE VOLTAGE	190 V
<i>Published triode ratings/characteristics promoted from the approved datasheet.</i>	

3A109B printed cross-designation/replacement designation for 3A109A. Repeater triode, A replacement version.

SOURCE OPERATING CONDITIONS

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	9 pF	Direct inter-electrode capacitance
Grid-filament capacitance	6 pF	Direct inter-electrode capacitance
Anode-filament capacitance	3.6 pF	Direct inter-electrode capacitance