



ELECTRONIC TUBE REFERENCE

4009B

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Single-ended water-cooled triode documented by Standard Valves with published construction, electrical constants, limiting conditions, and operating information for high-power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 61 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	6000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	17500 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM GRID DISSIPATION	300 W
MAXIMUM CATHODE CURRENT	2.5 A
<i>Published ratings and characteristics promoted where applicable; additional published data retained as parameters.</i>	

4009B is a single ended water cooled 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
Maximum direct anode voltage	17500 V	—
Maximum anode dissipation	20000 W	—
Maximum grid dissipation	300 W	—

TUBE TINKER

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and their source documents.

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