



ELECTRONIC TUBE REFERENCE

3068A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Single-ended water-cooled transmitting triode with an exceptionally heavy filament for very-high-power RF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	30 V / 320 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	900 Ω
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	17500 V
MAXIMUM PLATE DISSIPATION	160 W
MAXIMUM GRID DISSIPATION	3000 W
MAXIMUM CATHODE CURRENT	25 A
<i>Extracted semantically from complete approved datasheet.</i>	

3068A 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	145 pF	—
Anode-filament capacitance	38 pF	—
Grid-filament capacitance	110 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency for full ratings	2 MHz	—
Maximum anode voltage at 22 MHz	15000 V	Frequency=22MHz

TUBE TINKER

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and their source documents.

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