



ELECTRONIC TUBE REFERENCE

ZD8XA

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled modulating power triode for Class A or Class B low- and high-frequency amplification. Approximately 8 kW anode dissipation and 12 kV capability support major professional amplifier and modulator service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	8000 W
MAXIMUM CATHODE CURRENT	1.5 A
Semantically matched promoted fields only.	

Forced-air-cooled modulating triode with 8 kW anode dissipation for Class A or B low- and high-frequency power amplification up to 20 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X TESLA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Dissipation	8000 W	—
Maximum Frequency	20 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1966 TESLA TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _f	16–18.6 V	—
I _f	68 A–76 A	—
U _a (f	3 Mc/s	f < 3 Mc/s
U _a (f < 3 Mc/s) max.	12 kV	f < 3 Mc/s
U _a (f	20 Mc/s	f < 20 Mc/s
U _a (f < 20 Mc/s) max.	10 kV	f < 20 Mc/s
W _a max.	8 kW	—
Published value	1 a	—
I _a max.	1.5 A	—
f max.	20 Mc/s	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
0XJ	1 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cg/k	26.8 pF	—
Ca/k	2.6 pF	—
Ca/g	25.5 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
le	7 A	—

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