



ELECTRONIC TUBE REFERENCE

ZD1000F

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled modulating power triode for audio or RF amplification through approximately 60 MHz, modulation, and voltage-stabilizer service. Kilowatt-class anode dissipation supports substantial professional power and control applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.03 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	1000 W
<i>Semantically matched promoted fields only.</i>	

Forced-air-cooled modulating triode with 1 kW anode dissipation for AF or RF power amplification up to 60 MHz, modulation and voltage-stabilizer service.



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	1000 W	—
Maximum Frequency	60 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
of	7–7.5 V	—
If	28 A–34 A	—
Ua (Wa	400 W	—
Ua (Wa < 400 W) max.	4 kV	—
Ua (Wa	600 W	—
Ua (Wa < 600 W) max.	3 kV	—
Ua (Wa =	1000 W	—
Ua (Wa = 1000W) max.	2 kV	—
Ua sp max.	6 kV	—
Wa max.	1 kW	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Wg max.	25 W	—
f max.	60 Mc/s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cg/k	38.5 pF	—
Ca/k	2.6 pF	—
Ca/g	17 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S	30 mA/V	—
IC	8 A	—