



ELECTRONIC TUBE REFERENCE

D1035

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Very-high-power low-mu triode for linear and pulsed power service. Rated around 40 kW plate dissipation with approximately 20 kV pulse capability and very high pulse-current ratings for major professional modulator systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7 V / 26 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	40000 W
MAXIMUM GRID DISSIPATION	800 W
MAXIMUM CATHODE CURRENT	100 A
Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.	

Former designation D-1035 explicitly printed on the F-8148 sheet.



SOURCE OPERATING CONDITIONS

1962 ITT

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

1962 ITT

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current	1000 A	—
Grid-Plate Capacitance	88 pF	—
Grid-Filament Capacitance	70 pF	—
Plate-Filament Capacitance	12 pF	—
AF Plate Voltage Maximum	8000 V	—
Grid Dissipation Maximum	800 W	—
Pulse DC Plate Voltage Maximum	20000 V	—
Pulse Cathode Current Maximum	100 A	—
Typical Pulse Plate Voltage	17000 V	—

TUBE TINKER

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and their source documents.

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