



ELECTRONIC TUBE REFERENCE

D1027A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

General-purpose metal-ceramic high-power triode for CW or pulsed RF amplification, oscillation, and Class B modulation. Rated around 60 kW plate dissipation, with published Class C operation reaching roughly 72 kW RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 210 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	14000 V
MAXIMUM PLATE DISSIPATION	60000 W
Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.	

General-purpose metal-ceramic water/forced-air power triode for CW or pulsed amplifier, oscillator and Class-B modulator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	800 A	—
Filament Heating Time Minimum	15 s	—
Grid-Plate Capacitance	65 pF	—
Grid-Filament Capacitance	90 pF	—
Plate-Filament Capacitance	5.5 pF	—
RF Plate Voltage	10000 V	ClassC
RF Plate Voltage	12500 V	ClassC
RF Output Power	72 kW	ClassC
Frequency Maximum	110 MHz	ReducedRating