



ELECTRONIC TUBE REFERENCE

7832

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Metal-ceramic high-power triode for continuous-wave and pulsed RF amplification plus hard-tube modulation service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 210 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	18000 V
MAXIMUM PLATE DISSIPATION	30000 W
MAXIMUM GRID DISSIPATION	600 W
MAXIMUM CATHODE CURRENT	220 A

Metal-ceramic high-power triode for CW/pulsed RF and hard-tube modulation.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	7.5 V	—
Filament Current	210 A	—
Amplification Factor	18	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	40 pF	—
Grid-Filament Capacitance	40 pF	—
Plate-Filament Capacitance	3 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	18000 V	—
Maximum Plate Dissipation	30000 W	—
Maximum DC Plate Current	8 A	ClassC CW
Maximum Grid Dissipation	600 W	—
Maximum Pulse Cathode Current	220 A	—
Pulse Output Power	1.6 MW	—