

ELECTRONIC TUBE REFERENCE

5D21

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Heater-cathode pulse-amplifier tetrode designed for high-current pulse service, with a published peak anode-current rating of 15 amperes into a non-inductive load.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	26 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM GRID DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	30 mA
Published ratings/characteristics promoted where applicable.	

Heater-cathode pulse-amplifier tetrode with a 15 A peak-anode-current rating into a non-inductive load.



SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	375 pF	Published datasheet value
Output capacitance	75 pF	Published datasheet value
Anode-grid capacitance	2 pF	Published datasheet value
Maximum peak anode current	15 A	Published datasheet value
Maximum negative grid voltage	1 kV	Published datasheet value
Maximum peak positive grid voltage	300 V	Published datasheet value
Maximum peak grid current	2 A	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Western Electric Random

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

194X WESTERN ELECTRIC RANDOM

Section 1 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	26 V	—
Heater/filament current	2.1 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate/anode voltage	20000 V	—
Maximum screen voltage	1250 V	—
Maximum plate/anode dissipation	60 W	—
Maximum screen dissipation	8 W	—
Maximum plate/cathode current	30 mA	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	26 V	—
HeaterOrFilamentCurrent	2.1 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Current	15 A	NonInductiveLoad

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