

ELECTRONIC TUBE REFERENCE

8429

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power transmitting tetrode designed for RF power amplification, linear amplification, oscillation, modulation, or frequency multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	15 V / 16 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.08 S
AMPLIFICATION FACTOR	8.5
MAXIMUM PLATE VOLTAGE	5500 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM SCREEN DISSIPATION	200 W
MAXIMUM GRID DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	2 A
Promoted ratings and characteristics mapped from source tables.	

Exceptionally linear coaxial external-anode power tetrode for single-sideband linear-amplifier service to 60 Mc.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1 To Plate Capacitance	0.2 pF	Published direct interelectrode capacitance
Input Capacitance	115 pF	Published direct interelectrode capacitance
Output Capacitance	20 pF	Published direct interelectrode capacitance

TUBE TINKER

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