

ELECTRONIC TUBE REFERENCE

4X150D

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

26.5-volt-heater variant of the forced-air-cooled 4X150 family, designed for RF amplifier and oscillator service with full ratings to approximately 500 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26.5 V / 570 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	250 mA
Promoted from printed maximum-rating and general-characteristics tables.	

26.5 V heater variant of the forced-air-cooled external-anode 4X150A tetrode family.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum full-rating frequency	500 MHz	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Forced air	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	1250 V	—
Maximum screen voltage	300 V	—
Maximum plate dissipation	150 W	—
Maximum screen dissipation	12 W	—
Maximum grid dissipation	2 W	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	1250 V	RF Amplifier Or Oscillator; Class C; Telegraphy
Plate current	200 mA	RF Amplifier Or Oscillator; Class C; Telegraphy
RF output power	195 W	RF Amplifier Or Oscillator; Class C; Telegraphy
Grid voltage	-90 V	RF Amplifier Or Oscillator; Class C; Telegraphy
Grid current	11 mA	RF Amplifier Or Oscillator; Class C; Telegraphy
Maximum frequency at full input rating	500 MHz	—
Screen voltage	250 V	RF Amplifier Or Oscillator; Class C; Telegraphy

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.03 pF	—
Grid-to-filament/cathode capacitance	15.7 pF	—
Plate-to-filament/cathode capacitance	4.3 pF	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	2000 V	Forced-air-cooled RF service Alias of 7035.
Maximum DC Screen Voltage	400 V	Forced-air-cooled RF service Alias of 7035.
Plate Dissipation	250 W	Forced-air-cooled RF service Alias of 7035.
Screen Input	12 W	Forced-air-cooled RF service Alias of 7035.
Typical DC Plate Voltage	2000 V	Forced-air-cooled RF service Alias of 7035.
Typical DC Screen Voltage	300 V	Forced-air-cooled RF service Alias of 7035.
Useful Power Output	100 W	Forced-air-cooled RF service Alias of 7035.

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu Factor, Screen to Control Grid	5	Forced-air-cooled RF service Alias of 7035.
Grid-No.1 to Plate Capacitance	0.05 pF	Forced-air-cooled RF service Alias of 7035.
Grid-No.1 to Cathode/Screen/Heater Capacitance	16 pF	Forced-air-cooled RF service Alias of 7035.
Plate to Cathode/Screen/Heater Capacitance	4.4 pF	Forced-air-cooled RF service Alias of 7035.