



ELECTRONIC TUBE REFERENCE

AX9910

Power - Tetrode (NOT beam) 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	12.6 V / 450 mA	PARALLEL HEATER	6.3 V / 1.3 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	8.5
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	55 mA
Two electrically identical tetrode sections; represented once per identical-section compression rule. Published values shown per section where applicable.	

AX9910 is listed in the supplied Amperex power-tube table as a transmitting power tetrode, with published filament, dissipation, operating, output-power, and frequency data.



SOURCE OPERATING CONDITIONS

1953 Amperex

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

1953 AMPEREX

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	600 MHz	ClassC
Heater voltage series	12.6 V	Series
Heater current series	450 mA	Series
Heater voltage parallel	6.3 V	Parallel
Heater current parallel	1.3 A	Parallel
Peak cathode current per section	260 mA	PerSection



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	12.6 V	Published transmitting-tube rating
Filament current	650 mA	Published transmitting-tube rating
Amplification factor	8.5	Published power-tube table
Parallel filament voltage	6.3 V	ParallelHeater
Parallel filament current	1.3 A	ParallelHeater

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	20 W	Published power-tube table
Plate voltage	600 V	TransmittingService
Plate current	100 mA	TransmittingService
Power output	42 W	TransmittingService
Grid bias	-60 V	TransmittingService
Grid current	1.4 mA	TransmittingService
Screen voltage	250 V	TransmittingService
Maximum frequency	300 MHz	FullInputWatts
ICAS plate voltage	750 V	ICAS
ICAS plate current	150 mA	ICAS
ICAS power output	79 W	ICAS
ICAS grid bias	-60 V	ICAS
ICAS grid current	2 mA	ICAS
ICAS screen voltage	250 V	ICAS
ICAS maximum plate dissipation	25 W	ICAS