



ELECTRONIC TUBE REFERENCE

AX4125A4D21

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Amperex transmitting power tetrode in the 4-125A/4D21 family, with published RF operating, output-power, dissipation, and frequency data.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
AMPLIFICATION FACTOR	6.2
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	125 W
<i>Published filament, dissipation, typical plate/grid/screen operation, output power, and maximum-frequency data reviewed.</i>	

AX4125A4D21 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

[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	5 V	Published transmitting-tube rating
Filament current	6.5 A	Published transmitting-tube rating
Amplification factor	6.2	Published power-tube table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	125 W	Published power-tube table
Plate voltage	2500 V	TransmittingService
Plate current	200 mA	TransmittingService
Power output	375 W	TransmittingService
Grid bias	-150 V	TransmittingService
Grid current	10 mA	TransmittingService
Screen voltage	350 V	TransmittingService
Maximum frequency	120 MHz	FullInputWatts