



ELECTRONIC TUBE REFERENCE

AX9906R

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Industrial transmitting power triode intended for RF amplification, oscillation, or modulation. Manufacturer data emphasize substantial plate power, professional transmitter operation, and construction suited to continuous high-power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18 V / 196 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	45000 W
Electrical values extracted from the supplied source table; typical operating values are preserved in TUBE_SECTION_PARAMETER.	

AX9906R is listed in the supplied Amperex power-tube table as a transmitting power triode, 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	18 V	Published transmitting-tube rating
Filament current	196 A	Published transmitting-tube rating
Amplification factor	27	Published power-tube table

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	45000 W	Published power-tube table
Plate voltage	10000 V	TransmittingService
Plate current	12 A	TransmittingService
Power output	108000 W	TransmittingService
Grid bias	-1000 V	TransmittingService
Grid current	2.6 A	TransmittingService
Maximum frequency	30 MHz	FullInputWatts