

ELECTRONIC TUBE REFERENCE

AX9905

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TETRODE-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	6.3 V / 680 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	240 mA
One representative section emitted for two electrically identical tetrode units.	

SECTION2 Tetrode	
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	240 mA
Second identical physical Tetrode section; added to align physical rows with SectionCount.	

The Amperex 5895/AX-9905 is a twin four-electrode tube for RF power amplification, oscillation, modulation, and frequency multiplication. Each directly heated oxide-cathode unit is radiation cooled and has published continuous and intermittent plate-dissipation ratings.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor, grid No. 2 to grid No. 1	60–90	Published source value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum continuous peak cathode current	240 mA	Published source value
Maximum intermittent peak cathode current	300 mA	Published source value
Maximum operating frequency at full ratings	186 MHz	Published source value

TUBE TINKER

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