



ELECTRONIC TUBE REFERENCE

5895

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

Twin directly heated RF power tetrode for amplifier, oscillator, modulator, and frequency-multiplier service.

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	
AMPLIFICATION FACTOR	7.5
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	
AMPLIFICATION FACTOR	7.5
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	240 mA
<i>Identical second physical Tetrode section; duplicated from representative section per physical-section-row policy.</i>	

5895 is a DualTetrode device. Radiation-cooled directly heated twin four-electrode RF tube for power amplifier, oscillator, modulator, and frequency-multiplier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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



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 current	800 mA	RFPower
RF output power	336 W	RFPower
Grid voltage	-80 V	RFPower

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid current	2.6 mA	RFPower
Maximum frequency at full input rating	200 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	5 pF	PerTwinAssembly
Output capacitance	1.3 pF	PushPull