



ELECTRONIC TUBE REFERENCE

6907

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

Special Amperex radiation-cooled twin tetrode, developed as a high-frequency 832A variant for mobile RF amplification, frequency multiplication, and modulation service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 650 mA	PARALLEL HEATER	6.3 V / 1.3 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	10 W
Representative electrical section; twin tetrode sections are identical and compressed per locked rule.	

SECTION2 Tetrode	
TRANSCONDUCTANCE	0.0025 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	10 W
Identical second physical Tetrode section; duplicated from representative section per physical-section-row policy.	

Special Amperex radiation-cooled twin tetrode, an HF version of the 832A, intended for mobile RF amplifier, frequency-multiplier and modulator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	12.6 V	Nominal
Heater current	650 mA	Nominal
Maximum operating frequency	600 MHz	—
RF amplifier input power	90 W	150 MHz
Total plate dissipation	20 W	BothSections



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
Maximum plate dissipation CCS	20 W	TwinTube CCS
Maximum plate dissipation ICAS	25 W	TwinTube ICAS
Plate voltage	600 V	CCS ClassC
Plate current	100 mA	TwinTube CCS
Power output	42 W	TwinTube CCS
Grid voltage	-60 V	CCS ClassC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid current	1.4 mA	CCS ClassC
Screen voltage	250 V	CCS ClassC
Plate voltage	750 V	ICAS ClassC
Plate current	150 mA	TwinTube ICAS
Power output	79 W	TwinTube ICAS
Grid voltage	-60 V	ICAS ClassC
Grid current	2 mA	ICAS ClassC
Screen voltage	250 V	ICAS ClassC

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	300 MHz	FullInput
Output capacitance	4 pF	TwinTube