



ELECTRONIC TUBE REFERENCE

6333

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Ruggedized heavy-duty transmitting triode developed for severe industrial and communications service. Approximately 10 kW plate dissipation and 15 kV plate capability support high-power RF operation where durability and large power handling are primary requirements.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 60 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	10000 W
Published promoted ratings/characteristics captured where applicable; additional source values preserved in parameter rows.	

Ruggedized heavy-duty transmitting triode, an improved version of the 892 family for industrial and communication 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF maximum frequency at full ratings	16 MHz	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	32 pF	—
Grid-to-filament capacitance	17 pF	—
Plate-to-filament capacitance	1.8 pF	—



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
Amplification Factor	50	—
Maximum frequency	5 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	10000 W	—
Plate voltage	12000 V	ClassC
Plate current	1.55 A	ClassC
Power output	14250 W	ClassC
Grid voltage	-1600 V	ClassC
Grid current	165 mA	ClassC



SOURCE DATA APPENDIX

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	12000 V	RFPowerAmplifier
Plate current	1.55 A	RFPowerAmplifier
Power output	14250 W	RFPowerAmplifier
Control-grid voltage	-1600 V	RFPowerAmplifier
Grid current	165 mA	RFPowerAmplifier
Maximum frequency at full input	5 MHz	RFPowerAmplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	32 pF	Section1
Grid-to-filament capacitance	17 pF	Section1
Plate-to-filament capacitance	1.8 pF	Section1