

ELECTRONIC TUBE REFERENCE

6445

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled version of the 6333 high-power industrial RF triode.

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

SECTION1 Triode	
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	12500 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM CATHODE CURRENT	2 A
Published promoted ratings/characteristics captured where applicable; additional source values preserved in parameter rows.	

Forced-air-cooled version of the 6333 high-power industrial triode.



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Forced air	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency at full plate voltage and input	5 MHz	—
Maximum plate current	2 A	—
Plate input maximum	18 kW	ClassC



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	5000 W	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	10000 V	ClassC
Plate current	1.4 A	ClassC
Power output	10500 W	ClassC
Grid voltage	-1300 V	ClassC
Grid current	160 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	50	—
Maximum frequency	5 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	5000 W	—
Plate voltage	10000 V	ClassC
Plate current	1.4 A	ClassC
Power output	10500 W	ClassC
Grid voltage	-1300 V	ClassC
Grid current	160 mA	ClassC

TUBE TINKER

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