

ELECTRONIC TUBE REFERENCE

7378

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

All-glass beam-power tetrode designed for audio and RF amplifier service and RF oscillator applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6.3 V / 3.9 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.009 S
AMPLIFICATION FACTOR	5.7
MAXIMUM PLATE VOLTAGE	850 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM HEATER-CATHODE VOLTAGE	250 V
Published maximum ratings and general characteristics promoted from the supplied datasheet.	

7378 is listed in the supplied Amperex material as a all-glass beam-power tetrode for AF/RF amplifier and oscillator service. Published electrical ratings and operating data were captured from the supplied table.



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	3.9 A	—
Maximum Plate Voltage	850 V	—
Maximum Plate Dissipation	100 W	—
Maximum Screen Voltage	300 V	—
Maximum Screen Dissipation	12 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	9000 μ S	—
Amplification Factor	5.7	—



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 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Published rating
Heater/filament current	5 A	Published rating

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	5.7	TransmittingService

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	100 W	TransmittingService
Plate voltage	750 V	TransmittingService
Plate current	385 mA	TransmittingService
Power output	200 W	TransmittingService
Grid current	10 mA	TransmittingService
Maximum frequency	250 MHz	TransmittingService

TUBE TINKER

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and their source documents.

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