



ELECTRONIC TUBE REFERENCE

8278

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power tetrode designed for push-pull audio-output stages, providing substantial plate dissipation for power-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	7300 Ω
TRANSCONDUCTANCE	0.024 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	200 mA
Promoted ratings and characteristics mapped from source tables.	

Beam-power tetrode designed for push-pull audio-output stages.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	265 V	AudioOutput;PushPull
Screen voltage	265 V	AudioOutput;PushPull
Control-grid voltage	-12.5 V	AudioOutput;PushPull
Plate current per pair	230 mA	AudioOutput;PushPull
Screen current per pair	54 mA	AudioOutput;PushPull
Plate-to-plate load	24000 Ω	AudioOutput;PushPull
Power output	40 W	AudioOutput;PushPull

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	2.4 pF	Section1