

ELECTRONIC TUBE REFERENCE

7745

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Beam-power audio-output tube intended for substantial low-frequency power amplification, providing high current and useful output for professional or consumer amplifier equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7E-UA	BASE PINS	7
NOMINAL HEATER	12.6 V / 3.6 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	15 W
MAXIMUM GRID DISSIPATION	2 W
Representative row for two electrically identical beam-tetrode sections; dissipation is per element.	

SECTION2 Beam Power	
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	15 W
<i>Second identical physical beam-power/tetrode element; added to align rows with SectionCount.</i>	

Dual transmitting tetrode for RF power amplification, with both sections intended for parallel operation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid Capacitance	0.5 pF	—
Input Capacitance	26 pF	—
Output Capacitance	19 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Frequency	80 MHz	—
ParallelElementTypicalPlateVoltage	750 V	—
ParallelElementTypicalScreenVoltage	300 V	—
ParallelElementOutputPower	200 W	—