



ELECTRONIC TUBE REFERENCE

8528

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Rugged micro-metal beam-power pentode designed for low-voltage audio power amplification in compact equipment requiring mechanically robust construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.0042 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	3.7 W
MAXIMUM SCREEN DISSIPATION	0.4 W

The Toshiba 8528 is a rugged micro-metal beam-power pentode for low-voltage audio power amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	450 mA	—
Plate-Grid Capacitance	0.011 pF	—
Input Capacitance	6.5 pF	—
Output Capacitance	7.5 pF	—
Transconductance	4200 uS	—
Plate Resistance	15000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	165 V	—
Maximum Screen Voltage	155 V	—
Maximum Cathode Current	50 mA	—
Plate Voltage	110 V	ClassA; AudioAmplifier
Screen Voltage	110 V	ClassA; AudioAmplifier
Plate Current	30 mA	ClassA; AudioAmplifier
Load Resistance	3000 ohm	ClassA; AudioAmplifier
Power Output	1 W	ClassA; AudioAmplifier

TUBE TINKER

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