



ELECTRONIC TUBE REFERENCE

8552

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-power-sensitivity beam-power transmitting tube for RF power amplification, oscillator, audio power-amplifier, and modulator service; co-designated with 8032A.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	12.6 V / 562 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	35 W
MAXIMUM SCREEN DISSIPATION	3 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Beam-power tube; supplied sheet is electrically the same as 6146B/8298A except listed heater/capacitance items. Operating values are retained in parameters; unsupported absolute maxima were not invented.</i>	

8552 is an explicit co-designation of 8032A. High-power-sensitivity beam-power transmitting tube for RF power amplifier, oscillator, AF power amplifier, and modulator service. The supplied RCA sheet was used for published ratings, characteristics, operating conditions, and capacitances where present.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	12.6 V	—
Heater/filament current	562 mA	—
Heater voltage design center	12.6 V	—
Heater current minimum	525 mA	—
Heater current maximum	600 mA	—
Minimum heating time	60 s	—
Plate voltage	600 V	SelfExcitedOscillator;15MHz
Screen voltage	200 V	SelfExcitedOscillator;15MHz
Plate current maximum	150 mA	SelfExcitedOscillator;15MHz
Useful power output minimum	59 W	StationaryEquipment
Reduced-heater output retention	90 %	Heater10V

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1-to-plate capacitance	0.24 pF	Maximum

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