



ELECTRONIC TUBE REFERENCE

28D7

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Double beam-power amplifier with a 28-volt heater, providing two power sections for output-amplifier applications according to the supplied receiving-tube handbook.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8BS	BASE PINS	8
NOMINAL HEATER	28 V / 400 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	4200 Ω
TRANSCONDUCTANCE	0.0034 S
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM SCREEN VOLTAGE	67.5 V
Published maximum ratings, representative operating conditions, rectifier service data, and capacitance columns reviewed.	

SECTION2 Beam Power	
PLATE RESISTANCE	4200 Ω
TRANSCONDUCTANCE	0.0034 S
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM SCREEN VOLTAGE	67.5 V
<i>Identical second physical BeamPower section; duplicated from representative section per physical-section-row policy.</i>	

28D7 is listed in the supplied receiving-tube handbook as a double beam-power amplifier. The published heater/filament rating is 28.0 V at 0.4 A. Maximum ratings and representative operating characteristics were transcribed from the supplied table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	100 V	Published handbook rating
Maximum screen voltage	67.5 V	Published handbook rating
Plate voltage	28 V	ClassA
Screen voltage	28 V	ClassA
Control-grid bias	3.5 V	ClassA
Plate current	12.5 mA	ClassA
Screen current	1 mA	ClassA
Load resistance	4000 ohm	ClassA
Power output	0.1 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	4200 ohm	Published handbook characteristic
Transconductance	3400 μ S	Published handbook characteristic
Heater/filament voltage	28 V	Published heater/filament rating
Heater/filament current	400 mA	Published heater/filament rating