



ELECTRONIC TUBE REFERENCE

3B5GT

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Low-voltage beam-power amplifier with a 1.4-volt filament, intended for battery-operated receiver power-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AQ	BASE PINS	8
NOMINAL HEATER	2.8 V / 220 mA	PARALLEL HEATER	1.4 V / 440 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.00165 S
MAXIMUM PLATE VOLTAGE	67.5 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM CATHODE CURRENT	12 mA
<i>Published ratings/characteristics promoted where semantically applicable; supplemental values retained in parameter table.</i>	

3B5GT is listed in the supplied receiving-tube handbook as a beam-power amplifier. The published heater/filament rating is 1.4 V at 0.1 A.

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	67.5 V	Published handbook rating
Maximum screen voltage	67.5 V	Published handbook rating
Plate voltage	67.5 V	ClassA
Screen voltage	67.5 V	ClassA
Control-grid bias	7 V	ClassA
Plate current	8 mA	ClassA
Screen current	0.6 mA	ClassA
Load resistance	5000 ohm	ClassA
Power output	0.2 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	100000 ohm	Published handbook characteristic
Transconductance	1650 μ S	Published handbook characteristic
Heater/filament voltage	1.4 V	Published heater/filament rating
Heater/filament current	100 mA	Published heater/filament rating

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Series	2.8 V	SeriesFilaments
Heater Voltage Parallel	1.4 V	ParallelFilaments

TUBE TINKER

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