



ELECTRONIC TUBE REFERENCE

7500

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Special reliable all-glass beam tetrode engineered for low catastrophic failure, long cutoff operation, frequent heater switching, and controlled mechanical construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	390 V
MAXIMUM SCREEN VOLTAGE	310 V
MAXIMUM PLATE DISSIPATION	13.2 W
MAXIMUM SCREEN DISSIPATION	2 W
Primary electrical section; identical repeated sections compressed where applicable.	

The 7500 is a nine pin all glass construction beam tetrode for The use of a special rugged electrode construction manufactured by means of semi-automatic assembly techniques contributes to a low catastrophic failure rate. The cathode sleeve is made of a special alloy to inhibit the growth of cathode interface resistance during long periods of operation under cut-off conditions and the pure tungsten heater has been designed to withstand frequent heater switching (see note)s In addition the heater-cathode construction and materials ensure very low levels of The glass base and envelope strain patterns are tightly controlled during manufacture to prevent glass failures during life. Special



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1954 STC Brimar

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

1954 STC BRIMAR

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
nominal value: heater—cathode voltage 240V r.m.s: applied voltages	240 V	nominal value: heater—cathode voltage 240V r.m.s: applied voltages
Voltage (ac or dc) 6.3 volts	6.3 V	Voltage (ac or dc) 6.3 volts
Heater negative with respect to cathode s.v.evce. 90 volts	90 V	Heater negative with respect to cathode s.v.evce. 90 volts
Mutual conducteonce 3.0 Yat 5.2 w/V.	5.2 W	Mutual conducteonce 3.0 Yat 5.2 w/V.

TUBE TINKER

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