

ELECTRONIC TUBE REFERENCE

7495

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

Rugged all-glass beam tetrode for VHF amplifier and driver applications, with construction emphasizing low catastrophic failure rate, heater-switching endurance, and low heater-cathode leakage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 750 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	16
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2 W
Primary electrical section; identical repeated sections compressed where applicable.	

The 7495 is a nine pin all glass construction beam tetrode for use in V.H.F. amplifier and driver applications. 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 cutoff conditions and the pure tungsten heater has been designed to withstand frequent heater

switching (see note). In addition, the heater cathode construction and materials ensure very low levels of leakage. The glass base and envelope strain patterns are tightly controlled

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.o.s: applied voltages	240 V	nominal value: heater-cathode voltage 240V r.o.s: applied voltages
Voltage (ac or dec) 6.0 volts	6 V	Voltage (ac or dec) 6.0 volts
Current 0.75 amps	750 mA	Current 0.75 amps
Heater negative with respect to cathode eevcsvoresae. 100 volts	100 V	Heater negative with respect to cathode eevcsvoresae. 100 volts
Heater positive with respect to cathode .sveecvsessssss 100 volts	100 V	Heater positive with respect to cathode .sveecvsessssss 100 volts
Maximum anode dissipation .ooseescocccossscencocscssoes 12 Watts	12 W	Maximum anode dissipation .ooseescocccossscencocscssoes 12 Watts
Anode current 33 45 57 mA	57 mA	Anode current 33 45 57 mA
Screen current - - 7.0 mA	7 mA	Screen current - - 7.0 mA
Mutual conductance 5.6 7.0 9.0 mA/V	9 mA	Mutual conductance 5.6 7.0 9.0 mA/V
Anode current at $V_{g1} = -15V$ 15 mA	15 mA	Anode current at $V_{g1} = -15V$ 15 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage (T,50) wececcaooesocnccoscassnasans 500 volts	500 V	Maximum anode voltage (T,50) wececcaooesocnccoscassnasans 500 volts
Maximum anode VOLTage seececevasscsesesncscnacansncsose 300 volts	300 V	Maximum anode VOLTage seececevasscsesesncscnacansncsose 300 volts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum screen voltage (IgZ“O) teoseessscassascasessesss 500 vOlts	500 V	Maximum screen voltage (IgZ“O) teoseessscassascasessesss 500 vOlts
Maximum screen VOLtafe sseessescoscواسocsnasacsanaonas . 250 volts	250 V	Maximum screen VOLtafe sseessescoscواسocsnasacsanaonas . 250 volts

TUBE TINKER

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