



ELECTRONIC TUBE REFERENCE

7492

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Rugged long-life double triode with independent sections for RF and computer applications, designed for low failure rate, frequent heater switching, and stable cutoff operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	12.6 V / 150 mA	PARALLEL HEATER	6.3 V / 300 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	380 V
MAXIMUM PLATE DISSIPATION	2.8 W
MAXIMUM CATHODE CURRENT	22 mA
Primary electrical section; identical repeated sections compressed where applicable.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	380 V
MAXIMUM PLATE DISSIPATION	2.8 W
MAXIMUM CATHODE CURRENT	22 mA
<i>Second physical triode section; electrically identical twin section.</i>	

The 7492 is a nine pin, all glass construction double triode with independent sections for use in both R,F and computer 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 cut-off 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 throughout life.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
voltage 120% of nominal value: heater-cathode voltage 240V r.m.s:	240 V	voltage 120% of nominal volue: heater-cathode voltage 240V r.m,s:
Voltage {ac or dc) 12.6 6.3 volts	6.3 V	Voltage {ac or dc) 12.6 6.3 volts
Heater negative with respect to cathode..... 100 vOlts	100 V	Heater negative with respect to cathode..... 100 vOlts
Anode current 7 10 14 mA	14 mA	Anode current 7 10 14 mA
Unbalance between anode current of sections - 3.2 mA	3.2 mA	Unbalance between anode current of sections - 3.2 mA
fnode current at V., = = 20V 10 WA	20 V	fnode current at V., = = 20V 10 WA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode dissipation (Bach SECTion) seseeeessersnoeeross 2,8 watts	2.8 W	Maximum anode dissipation (Bach SECTion) seseeeessersnoeeross 2,8 watts

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