



ELECTRONIC TUBE REFERENCE

7489

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Rugged long-life double triode with independent sections for AF and control applications, designed for low catastrophic failure rate, frequent heater switching, and stable cathode performance.

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	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM CATHODE CURRENT	20 mA
Primary electrical section; identical repeated sections compressed where applicable.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second physical triode section; electrically identical twin section.</i>	

The 7489 is a nine pin all glass construction double triode with independent sections for use in A.F., and control applicat The use of a special rugged electrode construction manufactured reans 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 periodcs of operation under cut-off conditions and the pure tungsten heater has been designed to withstand frequent heater switching (sec note), In addition, the heater- cathode construction and materials ensure very low levels of The glass base amd 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
nominal value: heater cathode veoltage 240V r,m.s.: applied voltages	240 V	nominal value: heater cathode veoltage 240V r,m.s.: applied voltages
Voltage (ac or dec) 12.6 6.3 volts	6.3 V	Voltage (ac or dec) 12.6 6.3 volts
Current 0.15 0.3 amps,	300 mA	Current 0.15 0.3 amps,
Maztimun anode dissipation (Fach scCtion) s.cecocccsscess 3.0 watts	3 W	Maztimun anode dissipation (Fach scCtion) s.cecocccsscess 3.0 watts

TUBE TINKER

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