

ELECTRONIC TUBE REFERENCE

7490

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Heavy-duty double triode with independent sections, high plate-voltage and dissipation ratings, and substantial heater-cathode insulation for demanding amplifier or control applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	12.6 V / 300 mA	PARALLEL HEATER	6.3 V / 600 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	5 W
Primary electrical section; identical repeated sections compressed where applicable.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	5 W
Second physical triode section; electrically identical twin section.	

HHIMAH E.LLA. REGISTRATION DATA (Continued) TYPE 7490 Interelectrode capacitances,
(Measured with external shield) Cathode capacitance 262 PF C OUL'
.s.icecccecsesvccsescoasaccacacsanssssscassasess 200 PF Ca=p'
seveoesssssnassssconscectccccosassnsaccassavos 10 IF C IN"
seceosensensoosocnasassssanssosssussscscscsas
seeeesnecseossscoscocsvssassssassnsosacosaoee Qe PL C out" (.usvevsaconns
wescomossncsvosasacsascossossens Lal PR Voltage (ac or ac) 12.5 6.3 volts Ratings - Absolute Maximum
values, Maximum heater cathode voltage: Heater
negative with respect to cathode ..evecs.. 200 volts

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 voltage of 240V r.n.s: applied voltages	240 V	nominal value: heater—cathode voltage of 240V r.n.s: applied voltages
Voltage (ac or ac) 12.5 6.3 volts	6.3 V	Voltage (ac or ac) 12.5 6.3 volts
Current 0.3 C.6 amps.	6 A	Current 0.3 C.6 amps.
Heater positive with respect to cathode e...oe.. 200 volts	200 V	Heater positive with respect to cathode e...oe.. 200 volts
Anode current at $V_g = -10V$ 500 pA	-10 V	Anode current at $V_g = -10V$ 500 pA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum snode voltage {(Ia=0) vesccvocosacscsasacssss 550 v0lts	550 V	Maximum snode voltage {(Ia=0) vesccvocosacscsasacssss 550 v0lts
Maximun anode dissipation (Bach section) sesssssseess 5.0 watts	5 W	Maximun anode dissipation (Bach section) sesssssseess 5.0 watts