



ELECTRONIC TUBE REFERENCE

7327

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Subminiature double triode specifically designed for pulse applications, with high pulse-cathode-current capability, long life, and stable operation under high temperature, shock, and vibration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode

MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	0.95 W
MAXIMUM GRID DISSIPATION	0.2 W

Published electrical section from 7327.pdf; identical repeated sections compressed when applicable.

SECTION2 Triode

MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	0.95 W
MAXIMUM GRID DISSIPATION	0.2 W

Second physical triode restored.

Heater-cathode subminiature double triode designed specifically for pulse applications, with long life and stable performance under high temperature, shock, and vibration.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage Eb	250 V	Plate Voltage Eb --- .- .- 250 Vdc
Plate Dissipation Pp/p	0.95 W	Plate Dissipation Pp/p --- .- --- 0.95 Watts BASING
DC Grid Voltage Ec -55	0 V	DC Grid Voltage Ec -55 .- --- 0 Vde
Grid Dissipation Pg/g	0.2 W	Grid Dissipation Pg/g --- .- .- 0.2 Watts
Grid Circuit Res. Rgl	1.1 meg	Grid Circuit Res. Rgl --- --- --- 1.1 meg. Lead 1 Plate, Unit #2
Measure peak current across a	1 Ω	Measure peak current across a 1.0 ohm #0.1% resistor in the specified circuit.
purpose of inspection, use applicable reliable paragraphs of Spec. MIL-E_1. Plate Voltage	150 V	For the purpose of inspection, use applicable reliable paragraphs of Spec. MIL-E_1. Plate Voltage 150 Vde
Grid Voltage	-30 V	Grid Voltage -30 Vdc
4,10.8 Heater Current 0.65 il 4.4 Code L I 280 300	320 mA	4,10.8 Heater Current 0.65 il 4.4 Code L I 280 300 320 mA
4.10.7.5 Pulse Cathode Current (2): 0.65 Il 4.4 Code L ik 500	750 mA	4.10.7.5 Pulse Cathode Current (2): 0.65 Il 4.4 Code L ik 500 750 ma
Measure peak current across a	1 Ω	Measure peak current across a 1.0 ohm +0.1% resistor in the specified circuit.
approximately a "White Noise" spectrum which is free from discontinuities from 100 to	5000 Hz	approximately a "White Noise" spectrum which is free from discontinuities from 100 to 5000 cps and such that the RMS value of
50 to 8000 cps, shall be down no more than 5 db at	10 Hz	50 to 8000 cps, shall be down no more than 5 db at 10,000 cps and at 20 cps, and down at least 30 db at 13,000 cps. For reading

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
frequency of vibration is varied from	30 Hz	frequency of vibration is varied from 30 cps to 3000 cps and back to 30 cps.
Cgp Note 3 .. E e "ee Cgp 1.2 1.5	1.8 pF	Cgp Note 3 .. E e "ee Cgp 1.2 1.5 1.8 pf
Cin Note 3 "ee --- "-e Cin 1.4 1.9	2.4 pF	Cin Note 3 "ee --- "-e Cin 1.4 1.9 2.4 pf
Cout Section No. 1 .- cee Cout 0.20 0.28	0.36 pF	Cout Section No. 1 .- cee Cout 0.20 0.28 0.36 pf
Section No, 2 .- .e- Cout 0.22 0.32	0.42 pF	Section No, 2 .- .e- Cout 0.22 0.32 0.42 pf
Cag Cgg	0.011 pF	Cag Cgg 0.011 pf
Cpp Cpp	0.5 pF	Cpp Cpp 0.50 pf
of the plate and screen voltage supplies shall not exceed that of a	40 pF	of the plate and screen voltage supplies shall not exceed that of a 40 pf capacitor at 10 cps.
Note 8: A grid resistor of	0.1 MΩ	Note 8: A grid resistor of 0.1 megohm shall be added; however, this resistor shall not be used when a thyatron - type short indicator is
be varied from	30 Hz	be varied from 30 cps to 3000 cps and back to 30 cps with three minutes being the time required to sweep the range in each direc-

TUBE TINKER

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