



ELECTRONIC TUBE REFERENCE

6829

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Rugged high-current dual triode developed for pulse, amplifier, and switching applications, combining two robust triode sections for demanding high-current electronic control service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	47
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	160 mA
<i>Published maximum ratings and typical characteristics promoted from the approved source; identical repeated sections compressed where applicable.</i>	

SECTION2 Triode	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	47
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	160 mA
<i>Second physical triode section; electrically identical twin section.</i>	

Rugged high-current dual triode for pulse, amplifier, and switching service.



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
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	450 mA	Nominal
Maximum Plate Voltage	275 V	—
Maximum Plate Dissipation	2.2 W	—
Maximum Cathode Current	160 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6700 μS	Typical
Amplification Factor	47	Typical
Plate Resistance	7000 ohm	Typical

TUBE TINKER

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and their source documents.

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