



ELECTRONIC TUBE REFERENCE

864

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-microphonics general-purpose triode for detector, amplifier, and oscillator service in battery equipment subject to shock or vibration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	1.1 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	12700 Ω
TRANSCONDUCTANCE	0.000645 S
AMPLIFICATION FACTOR	8.2
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM CATHODE CURRENT	4 mA
<i>Published ratings and characteristics promoted from the approved Raytheon source.</i>	

Special low-microphonics general-purpose triode for detector, amplifier, and oscillator service in battery equipment subject to shock or vibration.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon Amateur

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

1938 RAYTHEON AMATEUR

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector_AFAmplifier text	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	1.1 V	Nominal
HeaterCurrentNominal	250 mA	Nominal
Maximum Plate Voltage	135 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	645 μ S	Typical
Amplification Factor	8.2	Typical
Plate Resistance	12700 ohm	Typical



1950 Sylvania

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

1950 SYLVANIA
Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	12700 ohm	—
Transconductance	645 μS	—
Amplification Factor	8.2	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	135 V	—
Maximum Cathode Current	4 mA	—