



ELECTRONIC TUBE REFERENCE

2C34

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE

Compact dual power triode designed for RF transmitting service. Its two equivalent sections operate together as a power stage, with published conditions providing roughly 16 W RF output from modest drive and several-hundred-volt plate operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	340 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	49 mA
Representative row for two identical triode sections; starred current/power ratings in source are for both sections combined.	

Twin-triode power amplifier tube for audio power amplification and oscillator 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	800 mA	Nominal
Maximum Plate Voltage	340 V	—
Maximum Plate Dissipation	5 W	—
Maximum Cathode Current	49 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5000 μ S	Typical



SOURCE OPERATING CONDITIONS

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Combined Plate Current	80 mA	BothSectionsCombined
Maximum Combined Grid 1 Current	20 mA	BothSectionsCombined

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Combined Plate Dissipation	10 W	BothSectionsCombined
Drive Power	1.8 W	BothSectionsCombined
Output Power	16 W	BothSectionsCombined

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	2.4 pF	RepresentativeSection