



TECHNICAL INFORMATION

DOUBLE TRIODE

TYPE 2C50

Excellence in Electronics

The 2C50 is a heater-cathode type low power double triode designed particularly for use in "discriminator" circuits of servo amplifiers.

MECHANICAL DATA

ENVELOPE: T-9 Glass

BASE: Special Shell, Octal 8-Pin B8-132, Melamine with barriers between pins inside and out (see tube outline drawing for dimensions)

TERMINAL CONNECTIONS:

Pin 1 Grid, Unit 2	Pin 5 Plate, Unit 1
Pin 2 Plate, Unit 2	Pin 6 Cathode, Unit 1
Pin 3 Cathode, Unit 2	Pin 7 Heater
Pin 4 Grid, Unit 1	Pin 8 Heater

MOUNTING POSITION: Any

ELECTRICAL DATA

HEATER CHARACTERISTICS:

Heater Voltage (ac or dc)
Heater Current
Heater-Cathode Voltage

12.6 volts
0.30 amps.
± 100 volts

RATINGS-ABSOLUTE MAXIMUM VALUES:

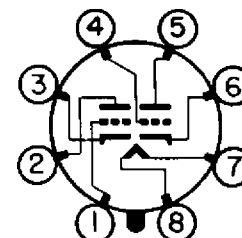
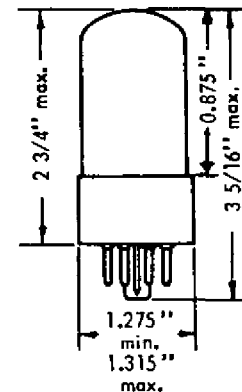
Peak Inverse Plate Voltage
Peak Forward Plate Voltage
DC Grid Voltage
Plate Dissipation per Plate

900 volts
800 volts
-200 volts
3.85 watts

CHARACTERISTICS-CLASS A1 AMPLIFIER: (each unit)

Plate Voltage
Grid Bias Voltage
Amplification Factor
Plate Resistance
Transconductance
Plate Current
Plate Current at $E_{c1} = 28 \text{ V}$ (Approx.)

200 volts
-11 volts
10
3450 ohms
2900 μmhos
18 ma.
0.5 ma.



BOTTOM VIEW

8BD

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Tentative Data

RAYTHEON MANUFACTURING COMPANY

DO NOT OPERATE



AVERAGE PLATE CHARACTERISTICS

