DESCRIPTION

The 5873 is a heater-cathode type, medium mu, double triode of subminiature construction designed for general purpose service. It is particularly useful in applications requiring extreme economy of space and weight. It has electrical characteristics very similar to the miniature type 12AU7 and may be used in most 12AU7 applications without changing circuit values, providing the operating conditions are within the 5873 Design Center Maximum Ratings. The flexible terminal leads may be soldered or welded directly to circuit components without the use of sockets. Standard subminiature sockets may be used by cutting the leads to 0.20" length.

MECHANICAL DATA

Envelope: T-3 Glass

Base: Subminiature Button 8-Pin (0.016" tinned flexible leads.
Length: 1.2" min.)

Terminal Connections:
- Pin 1 Heater
- Pin 2 Plate, Unit #2
- Pin 3 Grid, Unit #2
- Pin 4 Cathode, Unit #2
- Pin 5 Cathode, Unit #1
- Pin 6 Grid, Unit #1
- Pin 7 Plate, Unit #1
- Pin 8 Heater

Mounting Position: Any

ELECTRICAL DATA

Direct Interelectrode Capacitances: Unshielded (ufds.)
- Grid to Plate (Each Unit) 1.5
- Grid to Cathode (Each Unit) 1.6
- Plate to Cathode (Each Unit) 1.0
- Grid to Grid 0.01
- Plate to Plate 0.25
- Heater to Cathode (Each Unit) 1.8

Design Center Maximum Ratings:
- Heater Voltage 6.3 volts
- Plate Voltage 300 volts
- Plate Dissipation (Each Unit) 1.60 watts
- Cathode Current (Each Unit) 20 ma.
- DC Heater-to-Cathode Voltage 90 volts

Characteristics and Typical Operation: —(Each Unit)
- Heater Voltage 6.3 vol.
- Heater Current 300 ma.
- Plate Voltage 100 150 volts
- Grid Voltage 0 -3.0 volts
- Plate Current 11.5 9.0 ma.
- Transconductance 3600 2900 umhos
- Amplification Factor 25 22
- Grid Voltage (approx.) for Plate Current ± 50 ma. 11 14 volts

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* Under maximum rated conditions, the dc resistance of the grid circuit should not exceed 1.0 megohms for cathode bias or .25 megohms for fixed bias operation.