The CK5847 (40A) is a heater-cathode type, high transconductance, sharp cut-off pentode of miniature construction. The design features of low noise, low interelectrode capacitances, and high transconductance make it suitable for service as a wide band RF or IF amplifier. It is designed for dependable operation in equipment with low plate supply voltages. The heater-cathode construction is designed to withstand many thousands of cycles of intermittent operation.

MECHANICAL DATA

ENVELOPE: T-6½ Glass
BASE: Miniature Button 9-Pin
TERMINAL CONNECTIONS:
- Pin 1 Grid #1
- Pin 2 No Connection
- Pin 3 Heater, Lower Internal Shield
- Pin 4 Cathode, Grid #2
- Pin 5 No Connection
- Pin 6 Plate
- Pin 7 No Connection
- Pin 8 Grid #2
- Pin 9 Heater

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (µfd's) (With External Shield)
- Grid to Plate: 0.05 max.
- Input: 7.2 µfd.
- Output: 3.15 µfd.

RATINGS ABSOLUTE MAXIMUM VALUES:
- Heater Voltage (ac or dc): 6.3±10% volts
- Plate Voltage: 200 volts
- Grid #2 Voltage: 165 volts
- Plate Dissipation: 3.3 watts
- Grid #2 Dissipation: 0.85 watts
- Cathode Current: 40 ma
- Heater-Cathode Voltage: 55 volts

CHARACTERISTICS AND TYPICAL OPERATION:
- Heater Voltage: 6.3 volts
- Heater Current: 0.3 ma
- Plate Voltage: 150 volts
- Grid #2 Voltage: 150 volts
- Cathode Bias Resistance: 110 ohms
- Grid #1 Voltage: 0.3 volts
- Plate Current: 13.5 ma
- Grid #2 Current: 4.0 ma
- Plate Resistance: 0.2 meg
- Transconductance: 13,000 µmhos

Tentative Data
INDUSTRIAL COMPONENTS DIVISION

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2/15/60/1

55 CHAPEL ST., NEWTON 58, MASS.