

SYLVANIA ELECTRIC**RTMA Registration Data****TYPE 6CG6****REMOTE-CUTOFF PENTODE****MECHANICAL DATA**

Style miniature
 Cathode coated, unipotential
 Bulb T-5 1/2
 Base E7-1, Miniature Button 7-Pin
 Outline 5-2
 Maximum Diameter 3/4 inch
 Maximum Overall Length 2 1/8 inches
 Maximum Seated Height 1 7/8 inches
 Mounting Position any
 Basing 7BK-0-2
Pin Connections:
 Pin 1 .. grid #1
 Pin 2 .. grid #3, internal shield
 Pin 3 .. heater
 Pin 4 .. heater
 Pin 5 .. plate
 Pin 6 .. grid #2
 Pin 7 .. cathode

ELECTRICAL DATA**GENERAL**

Direct Interelectrode Capacitances:
Values apply both with and without external shield⁽¹⁾
 Grid #1 to Plate, maximum 0.008 μf
 Input 5.0 μf
 Output 5.0 μf
 Heater Voltage (ac or dc) 6.3 volts
 Heater Current 300 milliamps

RATINGS -- Design Center System

Maximum Plate Voltage (dc) 300 volts
 Maximum Grid #2 Voltage (dc) 150 volts
 Maximum Positive Grid #1 Voltage (dc) 0 volts
 Maximum Plate Dissipation 4.0 watts
 Maximum Screen Dissipation 0.75 watts
 Maximum Heater-Cathode Voltage ± 90 volts

CHARACTERISTICS

Conditions:
 Heater Voltage (ac or dc) 6.3 volts
 Plate Voltage (dc) 250 volts
 Grid #3 Voltage 0⁽²⁾ volts
 Grid #2 Voltage (dc) 150 volts
 Grid #1 Voltage (dc) -8 volts
 Plate Current (dc) 9.0 milliamps
 Grid #2 Current (dc) 2.3 milliamps
 Transconductance 2,000 micromhos
 Plate Resistance 0.72 megohms
 Grid #1 Voltage for 40 μmhos Transconductance -24 volts

(1) External Shield #316 connected to pins 2 and 7.

(2) Pin 2 connected to Pin 7 at socket.