

JEDEC DATA
 JOINT ELECTRON DEVICE ENGINEERING COUNCIL
 COMMITTEE ON RECEIVING TUBES

JEDEC TYPE 6HQ6

PENTODE

The Radio Valve 6HQ6 is a 7 pin miniature semi-remote cutoff pentode designed for service as an automatic gain controlled I.F. Amplifier in television receivers.

Features of the tube include a high transconductance at low plate and screen currents and voltages, low interelectrode capacitances, a high plate to screen current ratio and low noise.

MECHANICAL DATA

Coated unipotential cathode

Outline drawing 5-2 Bulb T 5-1/2

Base E7-1 miniature button 7-pin

Maximum diameter 3/4"

Maximum overall length 2-1/8"

Maximum seated height 1-7/8"

Pin connections

Pin 1 - Grid #1

Pin 5 - Plate

Pin 2 - Cathode

Pin 6 - Grid #2

Pin 3 - Heater

Pin 7 - Grid #3, internal shield

Pin 4 - Heater

Mounting position Any

ELECTRICAL DATA

Heater Characteristics

Heater voltage (ac or dc) 6.3±10% volts

Heater current 300 ma

Direct Interelectrode Capacitances

| | <u>With</u> <u>Shield</u> * | <u>Without</u> <u>Shield</u> | |
|---|--------------------------------|---------------------------------|-----|
| Grid #1 to plate (g1 to p) max..... | .016 | .026 | uuf |
| Grid #1 to cathode, internal shield & grid No 3, grid No 2 and heater | 7.8 | 7.8 | uuf |
| Plate to cathode, internal shield & grid No 3, grid No 2 and heater | 3 | 2.2 | uuf |

*External shield #316 connected to pin #2.

