TYPE 6851 (Tentative Data)
Miniature Hard Glass High Mu Double Triode

MECHANICAL DATA
Coated unipotential cathode
Outline drawing 6-2 Bulb T-6 1/2
Base E9-1 miniature button, 9-Pin
Maximum bulb temperature 300°C
Maximum diameter 7/8
Maximum seated height 1-15/16
Maximum overall length 2-3/16
Pin connections
Pin 1 #2 triode plate 9A Pin 6 #1 triode plate
Pin 2 #2 triode grid Pin 7 #1 triode grid
Pin 3 #2 triode cathode Pin 8 #1 triode cathode
Pin 4 Heater Pin 9 Heater center tap
Pin 5 Heater
Mounting position any
Life expectancy 10,000 hrs

ELECTRICAL DATA
Direct interelectrode capacitances #1 Triode #2 Triode
Grid to plate 1.4 1.4 μμf
Input 1.6 1.6 μμf
Output 0.36 0.36 μμf

Ratings
Heater voltage (ac or dc) 6.3 volts
Maximum heater-cathode voltage 300 volts
Maximum plate voltage 330 volts
Maximum plate dissipation 10 watts
Maximum cathode current 8 mA
Maximum grid circuit resistance 1.0 mohms

Typical operating conditions and characteristics, class A1 amplifier (each triode)
Heater voltage (ac or dc) 6.3 volts
Heater current 250 mA
Plate voltage 250 volts
Cathode resistor 3100 ohms
Plate resistance 60,000 ohms
Transconductance 1200 μμhos
Amplification factor 70
Plate current 1.0 mA

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