



ELECTRONIC TUBE REFERENCE

6802

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

COUNTERSELECTORSWITCH

Cold-cathode decimal counting/selector tube using pulsed guide electrodes to advance the discharge among output cathodes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 CounterSelectorSwitch	
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	0.5 mA
MAXIMUM REGULATOR CURRENT	0.6 mA
<i>Published maximum ratings and typical characteristics promoted from the approved source; identical repeated sections compressed where applicable.</i>	

Cold-cathode decimal counting/selector tube with output cathodes and pulsed guide electrodes.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1938 RAYTHEON

Section 1 · CounterSelectorSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	350 V	—
Maximum Cathode Current	0.5 mA	—
InputFrequencyMaximum	5000 Hz	—
TypicalDCSupplyVoltage	425 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
NominalTubeDrop	195 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · CounterSelectorSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode supply voltage maximum	800 V	—



1965 Sylvania Electronic Tubes Vol3

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · CounterSelectorSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode supply voltage minimum	350 V	—
Anode supply voltage maximum	800 V	—
Anode current	0.6 mA	—
Pulse repetition maximum	4 kpps	Pulse
Typical anode supply voltage	350 V	—
Nominal tube drop	187 V	—
Guide bias minimum	35 V	—
Square pulse drive amplitude minimum	-75 V	Pulse
Square double-pulse width minimum	60 us	Pulse
Forced reset pulse amplitude minimum	-120 V	Pulse
Forced reset pulse width minimum	50 us	Pulse
Cathode load resistance maximum	150 kohm	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transfer voltage	140 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Decimal pulse counter / selector	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

