

ELECTRONIC TUBE REFERENCE

VLS631

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THERMALDELAYSWITCH

Miniature thermal-delay switch designed to delay application of anode voltage to indirectly heated valves and mercury-vapor rectifiers, with a specified delay around 44-66 seconds at room temperature.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 ThermalDelaySwitch
No fixed ratings recorded.
Special-valve ratings and characteristics retained as parameters where applicable.

The STC/BRIMAR VLS631 is a miniature thermal delay switch that delays application of anode voltage to indirectly heated valves and mercury-vapour rectifiers; its specified delay is 44-66 seconds at 20 °C.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · ThermalDelaySwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal delay minimum	50 s	20C
Nominal delay maximum	60 s	20C
Delay minimum over ambient range	50 s	-35Cto85C
Delay maximum over ambient range	90 s	-35Cto85C

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum open-contact voltage	220 VDC	—
Maximum make current	1 A	—
Maximum surge current on make	5 A	—
Maximum break current	100 mA	50VDC



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · ThermalDelaySwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Nominal Heater Current	500 mA	—
Minimum Delay Time	44 s	AmbientTemperature=20C
Maximum Delay Time	66 s	AmbientTemperature=20C

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Open-Circuit DC Contact Voltage	220 V	—
Maximum Contact Current on Make	1 A	—
Maximum Surge Current on Make	5 A	—
Maximum Break Current	100 mA	DCVoltage=50V