

ELECTRONIC TUBE REFERENCE

4152

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THERMALDELAYSWITCH

Bimetal thermal relay providing a roughly 60-100 second timing interval at the documented heater current, intended for delayed switching and control functions in electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / 92 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 ThermalDelaySwitch
No fixed ratings recorded.
Published ratings and characteristics promoted from the supplied Philips source where explicitly available.

Bimetal thermal relay with a 60-100 second timing interval at 92 mA heater current.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · ThermalDelaySwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentCurrent	92 mA	—
HeaterElementResistanceMinimum	340 ohm	—
HeaterElementResistanceMaximum	372 ohm	—
TimingMinimum	60 s	HeaterCurrent=92mA
TimingMaximum	100 s	HeaterCurrent=92mA

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · ThermalDelaySwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Courant de chauffage	92 mA	Courant de chauffage 92 mA + 13 %
Timing at	92 mA	Timing at 92 mA 1
Temporisation &	92 mA	Temporisation & 92 mA 60-100 s')
220 Va 1,5 4	250 mA	220 Va 1,5 4 250 mA
380 Va	700 mA	380 Va 0,7 A 75 mA