

ELECTRONIC TUBE REFERENCE

18550

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

GEIGERMULLERCOUNTER

Halogen-quenched thin-wall Geiger-Müller beta/gamma radiation counter.

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

SECTION0	GeigerMullerCounter
MAXIMUM PLATE VOLTAGE	700 V
Geiger plateau 500-650 V; operating anode resistance 5 MΩ; capacitance approximately 1 pF.	

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 0 · GeigerMullerCounter

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1 pF	Electrode capacitance approximately

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	600 V	Example operating voltage within plateau
DC starting voltage	330 V	Minimum of stated ignition range 330–380 V
DC starting voltage	380 V	Upper bound of ignition-voltage range 330–380 V
Operating voltage	500 V	Lower plateau boundary
Operating voltage	650 V	Upper plateau boundary

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	700 V	Maximum applied anode voltage (Geiger counter), not rectifier PIV

TUBE TINKER

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