

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

1B85

1 SECTION

CONSTRUCTION

Specialized - Radiation Counter electronic tube

GEIGERMULLERCOUNTER

Widely used rugged self-quenching Geiger-Müller counter for beta and gamma radiation. Its durable construction and general-purpose sensitivity suit survey, monitoring, and laboratory radiation-measurement equipment.

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
No fixed ratings recorded.	

Widely used self-quenching beta/gamma counter tube with high performance and rugged construction.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Victoreen

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

1950 VICTOREEN

Section 0 · GeigerMullerCounter

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ThresholdVoltage	800 V	Max
Operating Voltage	850–950 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateauLength	200 V	Minimum
PlateauSlope	5 %/100V	Maximum
RecoveryTime	100 us	—
Background	40 counts/min	—
BetaEnergyMinimum	160 keV	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ElectrodeCapacitance	2 pF	—

TUBE TINKER

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and their source documents.

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