



ELECTRONIC TUBE REFERENCE

6209

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

GEIGERMULLERCOUNTER

Long-cathode neon/halogen Geiger-Müller counter for radiation survey work. It detects gamma radiation through the body while a thin mica window adds alpha and beta sensitivity for broader monitoring applications.

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 GeigerMullerCounter

No fixed ratings recorded.

Cold-cathode Geiger/counter tube. Counter operating, plateau, sensitivity and dead-time data are preserved as parameters; ordinary thermionic promoted fields are not applicable.

Long-cathode neon/halogen Geiger counter providing gamma sensitivity plus alpha and beta sensitivity through its thin mica window.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · GeigerMullerCounter

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	850 V	—
Starting voltage maximum	800 V	—
Maximum counting rate	1700 counts/s	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plateau length minimum	150 V	—
Dead time approximate	100 us	—
Gas filling	Neon plus halogen admixture	—