



ELECTRONIC TUBE REFERENCE

5944

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

GEIGERMULLERCOUNTER

Permanent-sensitivity beta-gamma Geiger-Müller counter using halogen-quenched neon gas. Stable self-quenching pulse operation suits general-purpose beta and gamma survey, monitoring, and 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

SECTION 1 GeigerMullerCounter	
STARTING VOLTAGE	825 V
<i>Gas-filled Geiger counter section; counter performance preserved as parameters.</i>	

The Amperex 5944 is a permanent-sensitivity beta-gamma counter tube using a neon-plus-halogen gas filling for radiation survey and monitoring service. The source specifies plateau, starting-voltage, counting-rate, background, and life data.



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	900 V	Published source value
Starting voltage	—825 V	Published source value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Terminal capacitance	2.4 pF	Published source value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum counting rate	1700 counts/s	Published source value
Dead time, approximate	100 us	Published source value

TUBE TINKER

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