

ELECTRONIC TUBE REFERENCE

75NB3

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

GEIGERMULLERCOUNTER

Permanent-sensitivity gamma Geiger-Müller counter using a halogen-quenched neon filling. Designed for radiation survey and monitoring service, it provides stable long-life counting characteristics for penetrating gamma radiation.

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

SECTION1 GeigerMullerCounter	
STARTING VOLTAGE	625 V
Gas-filled Geiger counter section; counter performance preserved as parameters.	

The Amperex 5887 is a permanent-sensitivity 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

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	700 V	Published source value
Starting voltage	—625 V	Published source value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Terminal capacitance	1.5 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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