

ELECTRONIC TUBE REFERENCE

6971A

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
FISSIONCOUNTER

Nitrogen-argon fission counter variant designed for thermal-neutron detection. Fission events generate countable electrical pulses, providing sensitive discrete neutron measurements for nuclear instrumentation and reactor-monitoring applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0 V / 0 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 FissionCounter
No fixed ratings recorded.
Radiation/neutron detector section; source operating-voltage and sensitivity data retained as parameters.

Nitrogen-argon fission counter for thermal-neutron detection; source also covers 6971A.



SOURCE OPERATING CONDITIONS

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · FissionCounter

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Voltage	300 V	—
Sensitivity	0.14 count/neutron/cm2	—

TUBE TINKER

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and their source documents.

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