

ELECTRONIC TUBE REFERENCE

6941A

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IONIZATIONCHAMBER

Uranium-235 ionization chamber designed for thermal-neutron flux measurement. Neutron-induced fission in the uranium-sensitive material produces ionization signals suitable for monitoring thermal-neutron intensity in nuclear instrumentation systems.

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

Uranium-235 ionization chamber for thermal-neutron flux measurement; source also covers 6941.



SOURCE OPERATING CONDITIONS

SOURCE PDF

1947 Westinghouse

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

1947 WESTINGHOUSE
Section 1 · IonizationChamber

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
NeutronSensitivity	2.6e-12 A per neutron/cm2/s	—
OperatingVoltageMinimum	200 V	—

TUBE TINKER

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and their source documents.

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