

ELECTRONIC TUBE REFERENCE

8074

Specialized - Radiation Counter electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IONIZATIONCHAMBER

Westinghouse compensated ionization chamber for thermal-neutron detection in strong gamma-radiation fields. Its compensation system reduces gamma-induced current so neutron flux can be measured more accurately in reactor environments.

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 IonizationChamber	
MAXIMUM PLATE VOLTAGE	1500 V
Published electrical limits and characteristics promoted from the approved source; non-schema quantities are retained in TUBE_SECTION_PARAMETER.	

Compensated ionization chamber for thermal-neutron detection in the presence of high gamma radiation.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumPlateOrOperatingVoltage	1500 V	—
OperatingVoltageRange	—	300 to 800 V
ThermalNeutronFluxMaximum	500000000000 nv	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ThermalNeutronSensitivity	4e-14 A/nv	—

TUBE TINKER

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and their source documents.

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