

ELECTRONIC TUBE REFERENCE

7216

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Grid-controlled xenon rectifier tube for industrial power control. Trigger-grid action initiates low-drop gas conduction for controlled rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 9 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	2.5 A
PEAK INVERSE VOLTAGE	1250 V
NOMINAL OUTPUT CURRENT	2.5 A
PEAK FORWARD CURRENT	30 A
FORWARD VOLTAGE DROP	10 V
Grid-controlled xenon rectifier section.	

7216 is a grid-control xenon rectifier tube using tantalum anode and xenon gas filling. The datasheet publishes filament, anode-current, inverse-voltage, arc-drop and operating ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1942 Electronics Inc

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

1942 ELECTRONS INC

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-c. Meter Value - Continuous	2.5 A	—
Oscillograph Peak - Continuously Recurring	30 A	—
Peak Inverse Voltage	1250 V	—
Filament Voltage	2.5 V	—
Filament Current	9 A	—
Peak Forward Voltage	900 V	—
Heating Time Minimum	30 s	—
Maximum Negative Grid Voltage	100 V	—
Maximum Commutation Factor	2.5 V/us x A/us	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average Arc Drop	10 V	—
Grid-Anode Capacitance	2 pF	—
Grid-Filament Capacitance	14 pF	—