

ELECTRONIC TUBE REFERENCE

7179

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled industrial ignitron for high-current rectifier and control service. Its controlled mercury-discharge path handles extremely large power-system currents.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 IgnitronPowerSwitch
No fixed ratings recorded.
Ignitron electrical quantities do not map cleanly to ordinary vacuum-tube promoted plate/screen fields; source ratings preserved densely as parameters.

The GL-7179 is a 12-inch single-grid ignitron designed for industrial rectifier service, with two ignitors and an auxiliary anode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · IgnitronPowerSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Anode Voltage	700 V	RectifierService
Maximum Peak Anode Current	2500 A	RectifierService
Maximum Continuous Average Anode Current	670 A	RectifierService
Two-Hour Average Anode Current	840 A	RectifierService
One-Minute Average Anode Current	1340 A	RectifierService
Peak Fault Current Forward	20000 A	RectifierService
Peak Fault Current Reverse	40000 A	RectifierService

TUBE TINKER

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