

ELECTRONIC TUBE REFERENCE

6958

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Water-cooled double-grid ignitron for industrial rectifier and inverter service, providing controlled high-current mercury-pool switching.

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	
PEAK INVERSE VOLTAGE	4000 V
PEAK FORWARD CURRENT	2000 A
Ignitron section. Published continuous-duty ratings include 4000 V peak inverse anode voltage, 2000 A peak anode current and 275 A continuous average anode current; non-promoted grid/ignitor/fault ratings retained as parameters.	

The GL-6958 is a double-grid ignitron designed for industrial rectifier or inverter applications, with operation at peak inverse voltages as high as 4000 V and water cooling.



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 Inverse Voltage	4000 V	—
PeakForwardCurrent	2000 A	—
ContinuousAverageAnodeCurrent	275 A	ContinuousDuty
FaultCurrentForward	15000 A	Fault
MaximumFaultDuration	0.015 s	Fault
ShieldGridPeakForwardVoltageMaximum	500 V	—
ControlGridPeakInverseVoltageMaximum	200 V	—

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