

ELECTRONIC TUBE REFERENCE

8420

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IGNITRONPOWERSWITCH

Forced-air-cooled coaxial mercury-pool ignitron designed specifically for railroad-locomotive electronic-contactor service and other high-current industrial switching applications.

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 IgnitronPowerSwitch
No fixed ratings recorded.
Ignitron contactor ratings retained in parameters.

Forced-air-cooled coaxial ignitron for railroad locomotive electronic-contactor service.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ArcDrop	19 V	PlateCurrent=1100A

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AirFlowMinimum	600 ft3/min	ForcedAir