ELECTRONIC TUBE REFERENCE

KU712

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
THYRATRON

Hydrogen thyratron designation documented with type 8765, intended for rapid high-current pulse switching in network-discharge and modulator applications.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 6.5 A	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Thyratron	
MAXIMUM PLATE VOLTAGE	12000 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	350 A
WARM-UP TIME	180 s

Applicable promoted fields mapped semantically from the printed ratings; device-specific electrical limits and operating conditions are preserved densely in TUBE_SECTION_PARAMETER.

KU712 designation printed with 8765.

SOURCE OPERATING CONDITIONS

1962 ITT

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

1962 ITT

Section 1 · Thyratron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	5.8–6.8 V	—
Heater Current	4.5 A–9.5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	3 min	—
Peak Forward Anode Voltage	12000 V	—
Peak Inverse Anode Voltage	12000 V	—
Peak Anode Current	350 A	—
Average Anode Current	200 mA	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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