



ELECTRONIC TUBE REFERENCE

CIK

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

THYRATRON

National Electronics thyatron intended for control, timing, ignitor-firing, and related industrial switching service, with published peak-voltage and current ratings.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.3 V / 6.3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	1 A
Thyatron section; published switching/rating data retained below.	

The CIK is a National Electronics thyatron intended for control, timing, ignitor-firing, or related industrial switching service, with published peak-voltage and current ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 National Electronics Industrial Tubes

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

1956 NATIONAL ELECTRONICS INDUSTRIAL TUBES

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	1250 V	Published datasheet value
Maximum peak forward voltage	1000 V	Published datasheet value
Maximum DC output current	1 A	Published datasheet value
Maximum instantaneous output current	8 A	Published datasheet value
Maximum AC short-circuit current	77 A	Published datasheet value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating time	25 s	Published datasheet value
Typical arc drop	8 V	At stated peak current
Ionization time	10 us	Approximate
Anode-grid capacitance	1 pF	Published capacitance