

ELECTRONIC TUBE REFERENCE

21B13

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Heavy-current thyatron for industrial controlled-power service. Published ratings identify substantial grid-controlled gas-discharge switching capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 21 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM CATHODE CURRENT	10 A
REDO promoted-field audit	

21B13 Thyatron; full semantic REDO from printed ratings and characteristics.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak forward anode voltage	12 kV	—
Maximum peak inverse anode voltage	12 kV	—
Maximum peak cathode current	100 A	—
Maximum surge cathode current	2000 A	—
Maximum anode voltage drop	18 V	—
Minimum preheat time	120 s	—
Anode-grid capacitance	8.8 pF	—
Grid-cathode capacitance	13.4 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak forward anode voltage	12 kV	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse anode voltage	12 kV	—
Maximum peak cathode current	100 A	—
Maximum surge cathode current	2000 A	—