



ELECTRONIC TUBE REFERENCE

B5750

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Ultra-long-life low-pressure side-viewing cold-cathode Nixie numerical indicator. Burroughs designed this family for extended-service numeric display applications, with the discharge viewed from the side of the tube.

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 Nixie	
MAXIMUM CATHODE CURRENT	3.8 mA
<i>Special-purpose display/switching section. Published non-promoted ratings are retained in TUBE_SECTION_PARAMETER.</i>	

Ultra-long-life low-pressure side-viewing NIXIE numerical indicator; B5750S is the short-lead form.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Burroughs

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

1963 BURROUGHS

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ionization Voltage	170 V	Catalog/group specification
Supply Voltage	170 V	Catalog/group specification
Peak/Maximum Anode Current	15 mA	Catalog/group specification
Ionization Voltage	170 V	—
Supply Voltage	170 V	—
Numerical Cathode Current	3.8 mA	—
Typical Supply Voltage	170 V	—
Series Resistance	9100 ohm	—
Typical Anode Current	2.6 mA	—