Dieter's Nixie Tube Data Archive

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If you have more datasheets, articles, books, pictures or other information about Nixie tubes or other display devices please let me know.

Thank you!

Document in this file	Burroughs – Bulletin 1116 – Dated June 1, 1967
Display devices in	B-5440-A, B-5441-A, B-5442-A
this document	

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NIXIE® INDICATOR TUBE

TYPE

B-5440-A B-5441-A B-5442-A

The B-5440-A NIXIE tube is a gas filled, cold cathode, ultra long life, decimal input, side viewing numerical (0-9) indicator tube having a common anode. The B-5441-A is identical to the B-5440-A except it has two decimal points (right and left of the numeral) inside the tube, which are independently operable (Note 2). The B-5442-A is available for plus-minus indication.

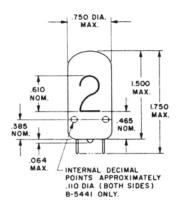
The narrow width of the tubes (.750" max.) permits 0.80" center-to-center spacing for multi-tube assemblies and its short seated height (1.5") allows minimal instrument panel height.

Printed circuit and wiring type sockets are also available. (See Pages 3 and 4, Bull. 1104)

An optional "keep-alive" is available for rapid ionization in time-sharing, strobe, photographic or dark environment applications.



B-5441-A





BOTTOM VIEW

Figure 1. Outline Drawing (Note 3)

ELECTRICAL SPECIFICATIONS

200	DC	1911	-40	DIT	MUC
588 :	10571	1811	3 -40	RATI	100.00
29G-A	destinate	Andrid	Marie (S)	independent of the later	kultelear ibya (E

Ionization Voltage+170 Vdc max. (Note 6) Supply Voltage+170 Vdc min. (Note 1) Cathode Current 3.5 ma max. Decimal Point Current (B-5441) ... 0.7 ma max. Cathode Pre-bias Voltage +65V to +120V (Note 7)

TYPICAL OPERATING CONDITIONS (Figure 2)

 Supply Voltage
 +170 Vdc (Note 1)

 Series Resistor
 10K ohm (Notes 1 & 8)
 Numeral Cathode Current (B-5440-A) 2.5 ma (1.5 to 3.0 ma) (B-5441-A) 2.3 ma (2.0 to 3.5 ma) Decimal Point Cathode Current Cathode Pre-bias Voltage +65V (Notes 2b & 7)

MECHANICAL CHARACTERISTICS

Outline Drawing Figure 1 Pin Connections Table 1 Mounting Note 3 Sockets Bulletin 1104 Note 5 Recommended Printed Circuit Board Layout Figure 3, Notes 4 & 5

Printed Circuit Pattern Layout Figure 4 Color Neon Red Life (Dynamic) 200,000 hrs. Brightness 200 footlamberts



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