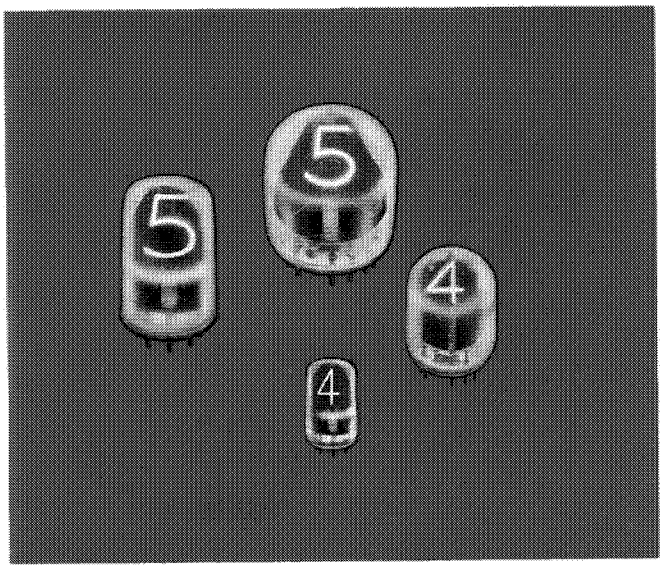


MINIATURE NIXIE® INDICATOR TUBES

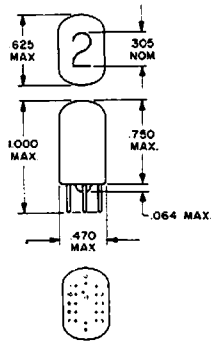
Available in rectangular and round configurations. Use for airborne and mobile equipment readouts and small lightweight instruments.

Character Size . . . . . 0.3"
Viewing Distance . . . . . 14.0'

STANDARD NIXIE INDICATOR TUBES

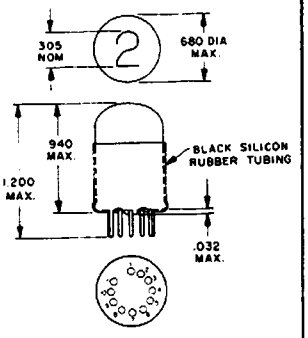
Available in round and rectangular configurations. Use for desk top displays and bench test equipment.

Character Size . . . . . 0.6"
Viewing Distance . . . . . 30.0'



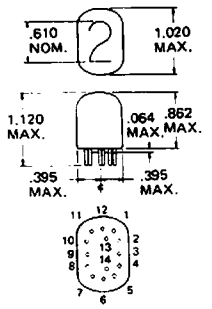
Type B4998 (Rectangular)
PIN CONNECTIONS

Pin No.	Numeral
1–	2
2–	3
3–	4
4–	5
5–	6
6–	IC
7–	7
8–	8
9–	9
10–	0
11–	anode
12–	1
13–	IC



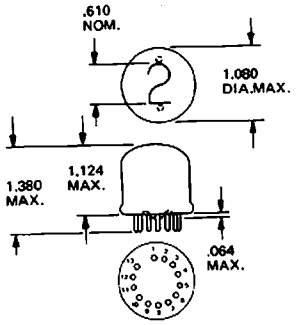
Type B4032 (7977) (round)
PIN CONNECTIONS

Pin No.	Numeral
1–	1
2–	2
3–	3
4–	4
5–	5
6–	6
7–	7
8–	8
9–	9
10–	0



Type B5991 (8422) (rectangular)
PIN CONNECTIONS

Pin No.	Numeral
1–	anode
2–	0
3–	9
4–	8
5–	7
6–	6
7–	5
8–	4
9–	3
10–	2
11–	1
12–	IC
13–	IC
14–	IC



Type B5092 (8421) (round)
PIN CONNECTIONS

Pin No.	Numeral
1–	IC
2–	anode
3–	0
4–	9
5–	8
6–	7
7–	6
8–	IC
9–	5
10–	4
11–	3
12–	2
13–	1

ELECTRICAL DATA/MINIATURE TUBES

(See Note 1) (See Notes 2 & 3)

	B4998 Rectangular	B4032 (7977) Round
Absolute Ratings		
Ionization Voltage (Max)	170 Vdc	170 Vdc
Supply Voltage (Min)	170 Vdc	170 Vdc
Cathode Current (Peak)	2.5 ma	2.0 ma
Test Conditions		
Supply Voltage	170 Vdc	170 Vdc
Series Resistor	15 K	15 K
Cathode Current		
(Min)	1.0 ma	0.7 ma
(Max)	2.0 ma	1.4 ma
Sockets		
Standard Wiring	SK176	SK116A
Printed Circuit	SK178	SK118A

ELECTRICAL DATA/STANDARD TUBES

(See Note 1) (See Notes 2 & 3)

	B5991 (8422) Rectangular	B5092 (8421) Round
Absolute Ratings		
Ionization Voltage (Max)	170 Vdc	170 Vdc
Supply Voltage (Min)	170 Vdc	170 Vdc
Cathode Current (Peak)	3.5 ma	3.5 ma
Test Conditions		
Supply Voltage	170 Vdc	170 Vdc
Series Resistor	8.2K	10K
Cathode Current		
(Min)	1.5 ma	1.5 ma
(Max)	3.0 ma	3.0 ma
Sockets		
Standard Wiring	SK169	SK112
Printed Circuit	SK144	SK130

NOTES

1. The minimum supply voltage should be +170 Vdc, however, the use of the highest voltage available with an appropriate series resistor is recommended to provide: 1) greater tolerance of B+ & Rp; 2) more uniform brightness; 3) more constant current operation; 4) improved operation with temperature and 5) improved life.
2. Special NIXIE tubes such as regular life wide angle types and weldable or tin dipped flying lead types are also available.
3. Special character NIXIE tubes such as + and – tubes, tubes with alphabet characters, and symbols (μ, mV) are also available.