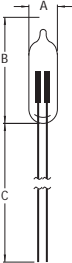
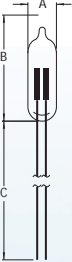


**Neon Indicator Lamps**

| Configuration  | Part Number | Old Ref. Number | Design Current mA | Maximum Breakdown Voltage |     |
|--|-------------|-----------------|-------------------|---------------------------|-----|
|  |             |                 |                   | VAC                       | VDC |
| <b>Wire Terminal-Standard Brightness</b>   |             |                 |                   |                           |     |
|   | 2ML         | NE -38S         | 0.3               | 65                        | 90  |
|  | A1A         | NE -2           | 0.6               | 65                        | 90  |
|  | A1A-T       | NE -2T          | 0.6               | 65                        | 90  |
|  | A1B         |                 | 0.3               | 65                        | 90  |
|  | A1D         |                 | 0.3               | 65                        | 90  |
|  | A1D-T       |                 | 0.3               | 65                        | 90  |
|  | K4A         | AR -9           | 0.3               | 80                        | 115 |
|  | A2B         | NE -2V          | 0.7               | 65                        | 90  |
|  | A2B-T       | NE -2VT         | 0.7               | 65                        | 90  |
|  | A9A         | NE -2E          | 0.7               | 65                        | 90  |
|  | A9A-T       | NE -2E T        | 0.7               | 65                        | 90  |
|  | A9A-C       | NE -2E 1        | 0.7               | 65                        | 90  |
|  | A9A-C T     | NE -2E 1T       | 0.7               | 65                        | 90  |
| <b>Wire Terminal-High Brightness</b>   |             |                 |                   |                           |     |
|  | 1MH         | NE -38          | 1.2               | 95                        | 135 |
|  | A1C         |                 | 1.2               | 95                        | 135 |
|  | A1C -T      |                 | 1.2               | 95                        | 135 |
|  | G2B -1      |                 | 1.2               | 95                        | 135 |
|  | G2B -2      |                 | 1.4               | 95                        | 135 |
|  | A3C         | NE -2U          | 1.9               | 95                        | 135 |
|  | A3C -T      | NE -2UT         | 1.9               | 95                        | 135 |
|  | C2A         | NE -2H          | 1.9               | 95                        | 135 |
|  | C2A-T       | NE -2HT         | 1.9               | 95                        | 135 |
|  | C2A-C       | NE -2H1         | 1.9               | 95                        | 135 |
|  | D2A         |                 | 2.6               | 95                        | 135 |

**Footnotes**

- Life value is to approximately 50% of initial light output. Values shown apply to use on AC unless otherwise shown. Life on DC is approximately 60% of AC values when DC current is equal to RMS AC value. When equal DC and RMS AC voltages and equal resistances are utilized, life will be approximately the same.
- For DC operation of high brightness lamps use a minimum of 150 circuit volts. Maximum initial breakdown voltage 95 VAC, 135 VDC in light.
- Tinned leads.
- High brightness.
- Formed tip.
- Dark effect reduced.
- Lamp drops through a Ø.310" cylinder of .500" minimum length.

| Series Resistor                          |     |          |     | Average Useful Life | Dimensions inches |         |         | Footnotes     |
|--|-----|----------|-----|---------------------|-------------------|---------|---------|---------------|
| 100-125V                                 |     | 220-250V |     |                     | A(Max.)           | B(Max.) | C(Min.) |               |
| Ohms                                     | W   | Ohms     | W   |                     |                   |         |         |               |
| <b>Wire Terminal-Standard Brightness</b> |     |          |     |                     |                   |         |         |               |
| 100K                                     | 1/4 | 220K     | 1/3 | 12,000              | .156              | .395    | 1.00    | 1,5           |
| 100K                                     | 1/4 | 540K     | 1/3 | 25,000              | .244              | 1.00    | 1.00    | 1,5           |
| 100K                                     | 1/4 | 540K     | 1/3 | 25,000              | .244              | 1.00    | 1.00    | 1,3,5         |
| 220K                                     | 1/4 | 540K     | 1/3 | 25,000              | .244              | .500    | 1.00    | 1,5           |
| 220K                                     | 1/4 | 540K     | 1/3 | 25,000              | .244              | .500    | 1.00    | 1,5,6         |
| 220K                                     | 1/4 | 540K     | 1/3 | 25,000              | .244              | .500    | 1.00    | 1,3,5,6       |
| 220K                                     | 1/4 | 540K     | 1/3 | 50                  | .244              | .980    | 1.00    | 14            |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 1,5,6         |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 1,3,5,6       |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 1,5           |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 1,3,5         |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 1.00    | 1,5           |
| 100K                                     | 1/4 | 220K     | 1/3 | 25,000              | .244              | .750    | 1.00    | 1,3,5         |
| <b>Wire Terminal-High Brightness</b>     |     |          |     |                     |                   |         |         |               |
| 47K                                      | 1/4 | 150K     | 1/3 | 12,000              | .156              | .395    | 1.00    | 1,4,5         |
| 47K                                      | 1/4 | 150K     | 1/3 | 25,000              | .244              | .500    | 1.00    | 2,4,5,6,8     |
| 47K                                      | 1/4 | 150K     | 1/3 | 25,000              | .244              | .500    | 1.00    | 2,3,4,5,6,8   |
| 47K                                      | 1/4 | 150K     | 1/3 | 15,000              | .244              | .500    | 1.00    | 1,4,5,13      |
| 39K                                      | 1/4 | 120K     | 1/3 | 15,000              | .244              | .750    | 1.00    | 1,4,5,13      |
| 30K                                      | 1/4 | 100K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 2,4,5,6,8,9   |
| 30K                                      | 1/4 | 100K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 2,3,4,5,6,8,9 |
| 30K                                      | 1/4 | 100K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 2,4,5,6,8     |
| 30K                                      | 1/4 | 100K     | 1/3 | 25,000              | .244              | .750    | 2.00    | 2,3,4,5,6,8   |
| 30K                                      | 1/4 | 100K     | 1/3 | 25,000              | .244              | .750    | 1.00    | 2,4,5,6,8     |
| 22K                                      | 1/4 | 68K      | 1/3 | 25,000              | .244              | .980    | 1.00    | 2,4,5,6,8,10  |

- 8. Life values shown apply to use on AC unless otherwise shown. End of life occurs when breakdown voltage increases to line voltage and lamp will no longer start. With equal DC and RMS AC current, life will be somewhat lower than the 60% value quoted for standard brightness lamp.
- 9. Maximum breakdown voltage in total darkness 100VAC.

- 10. Minimum current for stable operation 1.5mA.
- 11. Resistor included in Base.
- 12. Caution: Bulb may shatter and/or circuit may be damaged without external series resistance.
- 13. Green fluorescent.
- 14. Argon gas filled.