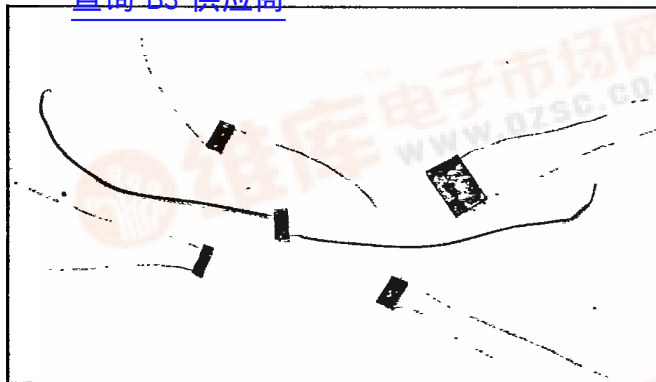


## NEW ENGLAND PHOTOCONDUCTOR

**N.E.P.**[查询"B3"供应商](#)

**Lead Sulfide**  
**Plate Cell**  
**Series A-B-C**

**FEATURES**

- Room Temperature Operation
- Customized Wavelength Response
- Customized Test Procedure
- Guaranteed Delivery
- 2 Year Guarantee
- Customized Filters Available

**HOW TO ORDER:**

Select the proper electrical type (A,B,C) and match it with the proper mechanical code number. Example: A1, B6, C5. The active areas listed above are considered standard sizes. Special sizes are available upon request. Series C can be gridded for low resistance.

**Electrical Specifications**

| Test Conditions at 25° C          | A      | B       | C      |
|-----------------------------------|--------|---------|--------|
| D* (Pk.,600,1) × 10 <sup>11</sup> | .5-1.0 | .5-1.2  | .5-1.2 |
| Wavelength Cut-off Microns        | 3.0    | 3.4     | 2.7    |
| Peak Wavelength Response          | 2.5    | 2.5     | 2.2    |
| Time Constant μ Seconds           | <100   | 100-300 | ≥300   |
| Resistance Megohms                | .2-2.0 | .2-2.0  | .5-10  |

**Mechanical Specifications**

| Code Number | Active Area |     | Bias Voltage |         | Typical VW <sup>-1</sup> Responsivity |
|-------------|-------------|-----|--------------|---------|---------------------------------------|
|             | Inches      | mm  | Typical      | Maximum |                                       |
| 1           | .010        | .25 | 10           | 20      | 1.0 × 10 <sup>6</sup>                 |
| 2           | .020        | .5  | 20           | 50      | 6.0 × 10 <sup>5</sup>                 |
| 3           | .040        | 1   | 50           | 100     | 3.0 × 10 <sup>5</sup>                 |
| 4           | .080        | 2   | 100          | 200     | 1.5 × 10 <sup>5</sup>                 |
| 5           | .120        | 3   | 150          | 300     | 1.0 × 10 <sup>5</sup>                 |
| 6           | .200        | 5   | 250          | 500     | 6.0 × 10 <sup>4</sup>                 |
| 7           | .400        | 10  | 500          | 1000    | 3.0 × 10 <sup>4</sup>                 |

See Page 15 for additional technical information.