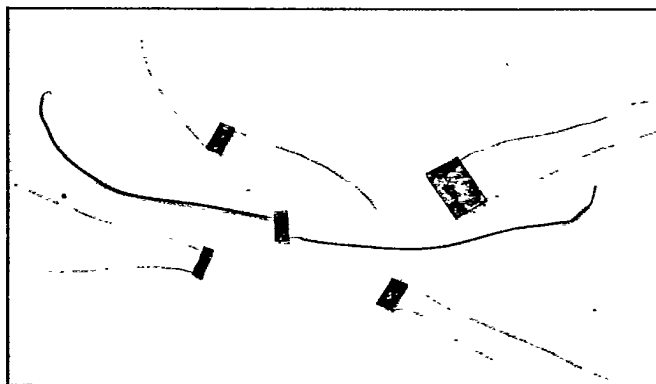


NEW ENGLAND PHOTOCONDUCTOR

N.E.P.

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
$D^* (Pk.,600,1) \times 10^{11}$	.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^{-1} Responsivity
	Inches	mm	Typical	Maximum	
1	.010	.25	10	20	1.0×10^6
2	.020	.5	20	50	6.0×10^5
3	.040	1	50	100	3.0×10^5
4	.080	2	100	200	1.5×10^5
5	.120	3	150	300	1.0×10^5
6	.200	5	250	500	6.0×10^4
7	.400	10	500	1000	3.0×10^4

See Page 15 for additional technical information.