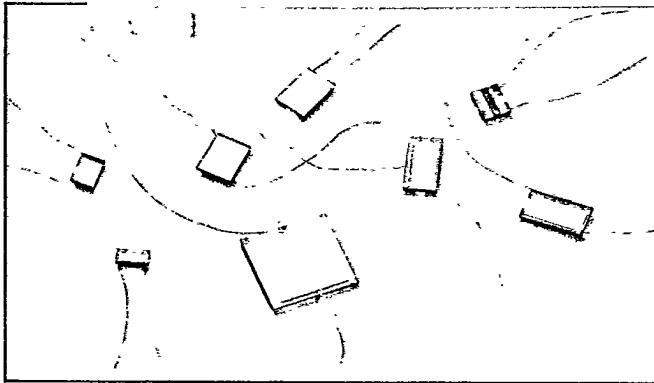


NEW ENGLAND PHOTOCONDUCTOR

NEW ENGLAND

33E D 6564348 0000037 7 NEP T-41-47

N.E.P.



Lead Selenide
Plate Cell
Series F

FEATURES

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

Electrical Specifications

Test Conditions at 25° C	F	—	—
$D^* (Pk., 1000, 1) \times 10^9$	1.0-3.5	—	—
Wavelength Cut-off Microns	4.5-5.0	—	—
Peak Wavelength Response	3.8-4.0	—	—
Time Constant μ Seconds	1-3	—	—
Resistance Megohms	.1-4	—	—

HOW TO ORDER:

Select the proper electrical type F and match it with the proper mechanical code number. Example: F3, F5. The active areas listed above are considered standard sizes. Special sizes are available upon request.

Mechanical Specifications

Code Number	Active Area		Bias Voltage		Typical VW^{-1} Responsivity
	Inches	mm	Typical	Maximum	
1	.040	1	50	100	6,000
2	.080	2	100	200	3,000
3	.120	3	150	300	2,000
4	.200	5	250	500	1,200
5	.400	10	500	1000	600

See Page 15 for additional technical information.

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