

UNITED DETECTOR

查询PIN-SPOT4DMI供应商

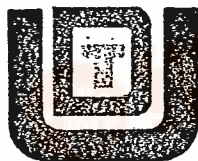
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捷多邦, 专业PCB打样工厂, 24小时加急出货

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9310987 UNITED DETECTOR



## United Detector Technology

A Division of ILC Technology, Inc.

12525 Chadron Avenue • Hawthorne, California 90250 • (213) 978-0516

### PRELIMINARY DATA SHEET

### POSITION SENSING PHOTODETECTORS

#### PART # PIN-SPOT-4DMI

#### 10μM GAPPED QUADRANT DETECTOR

United Detector Technology is pleased to announce the introduction of a new quadrant detector to our growing assortment of Position Sensing Photodiodes. The unique characteristic of this device is the 10 micron gap capable of achieving less than 2% crosstalk between the active elements.

#### APPLICATIONS

OPTICALS SOUND-TRACT SYSTEMS

REMOTE OPTICAL ALIGNMENT

COMPUTER PERIPHERALS

LASER POSITION SENSING

#### PHYSICAL CHARACTERISTICS

- a) Total Active Area:  $1.03\text{mm}^2$  approx.  $.040'' \times .040''$   
Each element is approximately  $.020'' \times .020''$
- b) Inter-element gap between cells: 10 microns
- c) Packaged in a TO-5 can.

#### OPERATIONAL:

- a) Responsivity:  $R \approx 74 \text{ A/W}$  @ 820nm
- b) Dark Current:  $I_D \approx 25\text{nA}$  @ 15 Volts
- c) Capacitance:  $C_J < 10\text{pf}$  @ 15 volts
- d) Breakdown Voltage:  $V_B > 50\text{Volts}$  @  $10\mu\text{Amps}$
- e) Rise Time:  $T_R < 20\text{ns}$  @ 15 Volts
- f) Uniformity of Response better than 1%
- g) Cross talk  $< 2\%$

\* All operational specifications are given at 25°C.

|           |         |       |
|-----------|---------|-------|
| Price/Qty | \$42.00 | 1-10  |
|           | \$37.50 | 11-50 |

For further information contact:

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