



United Detector Technology

A Division of ILC Technology, Inc.

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

Telex Number 18-2458 Fax Number (213) 644-1727

UDT's 16 ELEMENT SILICON PHOTODETECTOR ARRAY

* A2V-16

16 ELEMENT ARRAY:

United Detector Technology has announced the introduction of a new 16 element array to our growing assortment of photodiodes. As with all UDT arrays this device will exhibit uniform sensitivity and temperature characteristic as well as minimal crosstalk between elements. If it is apparent that a custom array is needed, contact the factory directly.

APPLICATIONS:

X-Ray Imaging

Spectrophotometry

Precision Alignment

Facsimile Instrumentation

PHYSICAL CHARACTERISTICS:

- A) 16 element array mounted on a in-line dip package
- B) Pin spacing .100" center to center
- C) Active size per element .048" x .062"
- D) Center to center spacing of elements .0625"

ELECTRICAL CHARACTERISTICS:

- A) Responsivity @ 632.8nm > .3 A/W
 - B) Capacitance < 250. PF @ 0 Volts @ 1 KHz
 - C) Shunt Resistance (R_{SH}) > 100 megohm
 - D) Series Resistance (R_S) < 200 ohms
-

