



United Detector Technology

A Division of ILC Technology, Inc.

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LOW-COST PLANAR DIFFUSED MULTI-CHANNEL ARRAYS

Active Area (Per Channel) - 4.3mm^2 (.06 x .110 inch)

Overall Size (Per Channel) - .075 x .155 inch

(Array channels are on .075 inch centers with .015 inch spacing between active elements)

TYPICAL ELECTRICAL CHARACTERISTICS AT 22°C (Per Channel)

Output @ $10\text{mW}/\text{cm}^2$, 2850°K

Voc (mV)	Isc (mA)	Rsh @ 0.1V (MΩ)	CJ @ 0V (pf)
350	.07	10	370

I_{sc} Matching between adjacent segments - $\pm 3\%$

I_{sc} Matching of 12 segment array - $\pm 10\%$

MONOLITHIC SOLDERABLE CHIP FORM

Model-No. No. Of Segments Overall Array Length

A4V-2	2	.15
A4V-4	4	.30
A4V-6	6	.45
A4V-8	8	.60
A4V-10	10	.75
A4V-12	12	.90

PRINTED CIRCUIT BOARD MOUNTED WITH 2.0" LONG BARE TINNED LEADS

(Note: All types mounted on 1.0" x 2" PCB with array at center of board and common cathode lead attached).

A4V-2PL	2	.15
A4V-4PL	4	.30
A4V-6PL	6	.45
A4V-8PL	8	.60
A4V-10PL	10	.75
A4V-12PL	12	.90