DEFECT DEFINITIONS

SPECIFICATIONS

Classification	Column Defect	Cluster Defect	Point Defect
C1	20	2	0
C2	40	10	2

Dark Defects A pixel which deviates by more than 20% from neighboring pixels when illuminated to 70% of saturation

Bright Defect A pixel whose dark current exceeds 4500 electrons/pixel/second at 25°C

Cluster Defect A grouping of not more than 5 adjacent point defects

Column Defect A grouping point defects along a single column. (Dark Column)

A column that contains a pixel whose dark current exceeds 150,000 electrons/pixel/second at 25 C. (Bright Column)

A column that does not exhibit the minimum charge capacity specification. (Low charge capacity)

A column that loses >500 electrons when the array is illuminated to a signal level of 2000 electrons/pix. (Trap like defects)

Neighboring Pixels The surrounding 128 x 128 pixels or ± 64 column/rows

Defect Separation Defects are separated by no less than by no less than 3 pixels in any one direction.

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1,1024                    1024,1024


        All pixels subject to defect specification




1,1                       1024,1
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