

Miscellaneous Series

NOVEL DETECTORS

The devices listed below can be ordered in small quantities on a variety of thicknesses currently stocked. Not all thickness listed below are always available.

SILICON DETECTOR TYPE:

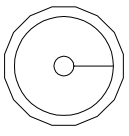
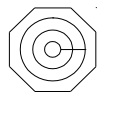
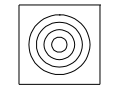
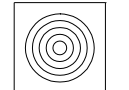
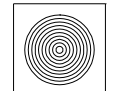
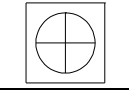
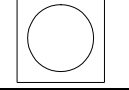
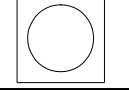
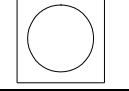
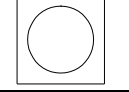
DC DIODES

DESIGN:















Totally depleted ion implanted structures with guard ring to enable high voltage operating plateau.

TECHNOLOGY:

3, 4 and 6 inch silicon.

DESIGN	DETECTOR NAME	GEOMETRY DIMENSION	CHIP DIMENSION	WINDOW TYPE	METAL COVERAGE	GUARD RING DESIGN	WAFER SIZE inch	PACKAGE
	MSA002/009	Element 1 Active Area Diameter = 0.2 mm Element 2 Active Area Diameter = 7.0 mm N° Annuli = 2 Annular Separation = 100 µm	9.0 x 9.0 mm ²	2	M	MGR	6	Chip Only
	MSA003/014	Element 1 Active Area Diameter = 0.1 mm Element 2 Active Area Diameter = 7.0 mm Element 3 Active Area Diameter = 12.0 mm N° Annuli = 3 Annular Separation = 100 µm	14.0 x 14.0 mm ²	2	M	MGR	6	Chip Only
	MSA004/009	Total Active Area Diameter = 9.8 mm N° Annuli = 4 Annular Pitch = 1250 µm Annular Separation = 100 µm	13.0 x 13.0 mm ²	2	M	MGR	4	Chip Only
	MSA005/009	Active Area Diameter = 9.8 mm N° Annuli = 5 Annular Pitch = 1000 µm Annular Separation = 100 µm	13.0 x 13.0 mm ²	2	M	MGR	4	Chip Only
	MSA010/009	Active Area Diameter = 9.8 mm N° Annuli = 10 Annular Pitch = 500 µm Annular Separation = 100 µm	13.0 x 13.0 mm ²	2	M	MGR	4	Chip Only
	MSCQ009	Active Area Diameter = 9.8 mm Quadrant Separation = 50 µm	13.0 x 13.0 mm ²	2	M	MGR	4	Chip Only
	MSD0013	Active Area Diameter = 1.3 mm	3.3 x 3.3	2, 7 & 9	M	MGR	4	Chip Only
	MSD004	Active Area Diameter = 4.0 mm	7.0 x 7.0 mm ²	2, 7, 9	M, P & TT	SGR	4	PCB
	MSD005	Active Area Diameter = 5.0 mm	10.0 x 10.0 mm ²	2	M	MGR	4	PCB
	MSD0051	Active Area Diameter = 5.0 mm	7.0 x 7.0 mm ²	2, 7, 9	M	MGR	6	PCB

NOVEL DETECTORS

	MSD0056	Active Area Diameter = 5.0 mm	8.7 x 8.7 mm ²	2, 7, 9	M	MGR	6	PCB
	MSD057	Active Area Diameter = 5.692 mm	15.4 x 15.4 mm ²	2	M	MGR	4	PCB
	MSD009	Active Area Diameter = 9.8 mm	13.0 x 13.0 mm ²	2	M	MGR	4	PCB
	MSD010	Active Area Diameter = 10.0 mm	13.0 x 13.0 mm ²	2	M	MGR	4	PCB
	MSX00	Active Area = 4.25 x 1.75	6.25 x 3.75	2	M	MGR	4	Chip Only
	MSX004	Active Area = 2.0 x 2.0	4.0 x 4.0	2	M	Single & MGR	6	Chip Only
	MSX014	Active Area = 7.0 x 2.0	9.0 x 4.0	2	M	MGR	6	Chip Only
	MSX7*	Active Area = 2.646 x 2.646	4.646 x 4.646	2, 7, 9	M	MGR	4 & 6	Chip Only
	MSX029	Active Area = 1.7 x 1.7	3.7 x 3.7	2, 7, 9	M	MGR	4	Chip Only
	MSX031*	Active Area = 3.162 x 3.162	6.162 x 6.162	2, 7, 9	M	MGR	4	Chip Only
	MSX4x4*	Active Area = 4.0 x 4.0	6.0 x 6.0	2, 7, 9	M	MGR	4	Chip Only
	MSX05	Active Area = 5.0 x 5.0	7.0 x 7.0	2	M	MGR	6	Chip Only
	MSX072	Active Area = 9.0 x 8.0	11.0 x 10.0	2	M	MGR	6	Chip Only
	MSPX040	Active Area Pixel = 1400 x 1400 μm ² Pixel Array = 4 x 4	9.10 x 9.10	2	M	MGR	4	Chip Only
	MSPX041	Active Area Pixel = 900 x 900 μm ² Pixel Array = 4 x 4	9.10 x 9.	2	M	MGR	4	Chip Only
	MSPX 100 x 64	Active Area Pixel = 89.0 x 39.0 μm ² Pixel Array = 100 x 64	14.5 x 15.0	2	M	MGR	4	Chip Only
	MSPX 128 x 96	Active Area Pixel = 89.0 x 39.0 μm ² Pixel Array = 128 x 96	17.5 x 22.15	2	M	MGR	6	Chip Only
	MSQ05	Active Quadrant = 5.0 x 5.0 mm ² Dimensions Quadrant Separation = 100 μm	12.1 x 12.1 mm ²	2	M	MGR	4	Chip Only