

# DSt Silicon Detector Products



Silicon Detectors PiN						
Device No.	Active area (sqmm)	Thickness	Capacitance	Leakage current at full Depletion	Mn Energy Resolution at -40C	Additional Information
506103	25	500um	5.5pF	1nA typical	170eV	Large area circular silicon PiN diode suitable for a wide variety of applications including X-Ray and electron detection.
506104	13	500um	3.0pF	600pA typical	156eV	Medium area circular silicon PiN diode suitable for X-ray, and electron detection.
506106	13	500um	3pF	600pA typical	156kev	Medium area circular silicon PiN diode suitable for X-ray, and electron detection.
506101	5.5	500um	1.3pF	350pA typical	149eV	Small area circular silicon PiN diode suitable for a wide variety of applications including X-Ray and electron detection.
506105	5.5	500um	1.3pF	350pA typical	149keV	Small area circular silicon PiN diode suitable for a wide variety of applications including X-Ray and electron detection.
501102	4.1 x 4.1	380um	3.2pF	600pA typical		Supplied in 18ld LCC package with Kapton window for use as Neutron detector. Suitable for a wide variety of applications including X-Ray and electron detection.