

# DSt Silicon Detector Products



**PPS506 PiN Diodes – Test Limits**

Parameter	Test Conditions	506101	506103	506104	506105	506106	501102
Diode Vf	5mA	0.3V to 1V	0.3V to 1V	0.3V to 1V	0.3V to 1V	0.3V to 1V	
Guard Ring Vf	5mA	0.3V to 1V	0.3V to 1V	0.3V to 1V	0.3V to 1V	0.3V to 1V	
Diode Leakage	Vr = 200V			Max = 1nA		Max = 1nA	
Diode Leakage	Vr = 225V	Max = 700pA	Max = 1.5nA		Max = 700pA		
Guard Ring Leakage	Vr = 200V			Max = 1nA		Max = 1nA	
Guard Ring Leakage	Vr = 225V	Max = 700pA	Max = 1.5nA		Max = 700pA		
Breakdown Voltage		>225V	>225V	>225V	>225V	>225V	
Die Size (mm)		4.9 x 4.9	7.6 x 7.6	6.4 x 6.4	4.9 x 4.9	6.4 x 6.4	4.1.x.4.1