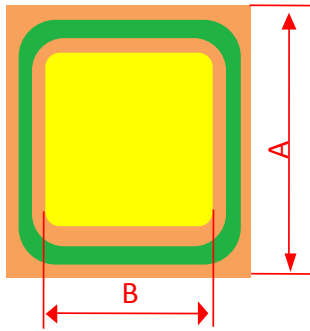




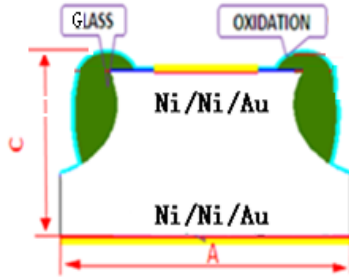
一、芯片特征:

1. Glass+LTO双层钝化保护
2. 单沟槽台面工艺
3. 芯片表面镀层为Ni/Ni/Au

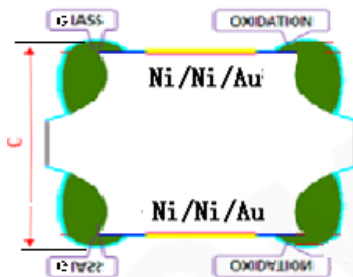
二、芯片结构



正视图



截面图



截面图

三、产品型号及规格:

1. 200W

Part Number		Dice Scale (A)	Scale (B)	Scale (C)	Reverse stand-off Voltage	Breakdown voltage		Test Current	Reverse Leakage		Max Clamp Voltage	Peak Pulse Current
						VBR@IT			IR@VRWM			
						VRWM	Min	Max	IT	UNI	BI	V
UNI	BI	mil	mil	um	V	V	V	mA	uA	uA	V	A
P2KE7.5A	/	46±2	29±1	330±30	6.4	7.13	7.88	1	200	200	11.3	17.6
P2KE8.2A	P2KE8.2CA	46±2	29±1	330±30	7.0	7.79	8.61	1	100	100	12.1	16.5
P2KE9.1A	P2KE9.1CA	46±2	29±1	330±30	7.8	8.65	9.55	1	50	50	13.4	14.9
P2KE10A	P2KE10CA	46±2	29±1	330±30	8.6	9.50	10.50	1	10	10	14.5	13.8
P2KE11A	P2KE11CA	46±2	29±1	330±30	9.4	10.50	11.60	1	5	5	15.6	13.0
P2KE12A	P2KE12CA	46±2	29±1	330±30	10.2	11.40	12.60	1	1	1	16.7	12.0
P2KE13A	P2KE13CA	46±2	29±1	330±30	11.1	12.40	13.70	1	1	1	18.2	11.0
P2KE15A	P2KE15CA	46±2	29±1	330±30	12.8	14.30	15.80	1	1	1	21.2	9.4
P2KE16A	P2KE16CA	46±2	29±1	330±30	13.6	15.20	16.80	1	1	1	22.5	8.9
P2KE18A	P2KE18CA	46±2	29±1	330±30	15.3	17.10	18.90	1	1	1	25.2	7.9
P2KE20A	P2KE20CA	46±2	29±1	330±30	17.1	19.00	21.00	1	1	1	27.7	7.2
P2KE22A	P2KE22CA	46±2	29±1	330±30	18.8	20.90	23.10	1	1	1	30.6	6.5
P2KE24A	P2KE24CA	46±2	29±1	330±30	20.5	22.80	25.20	1	1	1	33.2	6.0
P2KE27A	P2KE27CA	46±2	29±1	330±30	23.1	25.70	28.40	1	1	1	37.5	5.3
P2KE30A	P2KE30CA	46±2	29±1	330±30	25.6	28.50	31.50	1	1	1	41.1	4.9
P2KE33A	P2KE33CA	46±2	29±1	330±30	28.2	31.40	34.70	1	1	1	45.7	4.4
P2KE36A	P2KE36CA	46±2	29±1	330±30	30.8	34.20	37.80	1	1	1	49.9	4.0
P2KE39A	P2KE39CA	46±2	29±1	330±30	33.3	37.10	41.00	1	1	1	53.9	3.7
P2KE43A	P2KE43CA	46±2	29±1	330±30	36.8	40.90	45.20	1	1	1	59.3	3.4
P2KE47A	P2KE47CA	46±2	29±1	330±30	40.2	44.70	49.40	1	1	1	64.8	3.1
P2KE51A	P2KE51CA	46±2	29±1	330±30	43.6	48.50	53.60	1	1	1	70.1	2.9
P2KE56A	P2KE56CA	46±2	29±1	330±30	47.8	53.20	58.80	1	1	1	77.0	2.6
P2KE62A	P2KE62CA	46±2	29±1	330±30	53.0	58.90	65.10	1	1	1	85.0	2.4
P2KE68A	P2KE68CA	46±2	29±1	330±30	58.1	64.40	71.40	1	1	1	92.0	2.2

P2KE75A	P2KE75CA	46±2	29±1	330±30	64.1	71.30	78.80	1	1	1	103.0	1.9
P2KE82A	P2KE82CA	46±2	29±1	330±30	70.1	77.90	86.10	1	1	1	113.0	1.8
P2KE91A	P2KE91CA	46±2	29±1	330±30	77.8	86.50	95.50	1	1	1	125.0	1.6
P2KE100A	P2KE100CA	46±2	29±1	330±30	85.5	95.00	105.00	1	1	1	137.0	1.5
P2KE110A	P2KE110CA	46±2	29±1	330±30	94.0	105.00	116.00	1	1	1	152.0	1.3
P2KE120A	P2KE120CA	46±2	29±1	330±30	102.0	114.00	126.00	1	1	1	165.0	1.2
P2KE130A	P2KE130CA	46±2	29±1	330±30	111.0	124.00	137.00	1	1	1	179.0	1.1
P2KE150A	P2KE150CA	46±2	29±1	330±30	128.0	143.00	158.00	1	1	1	207.0	1.0
P2KE160A	P2KE160CA	46±2	29±1	330±30	136.0	152.00	168.00	1	1	1	219.0	0.9
P2KE170A	P2KE170CA	46±2	29±1	330±30	145.0	162.00	179.00	1	1	1	234.0	0.9

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2. 400W

Part Number		Dice Scale (A)	Scale (B)	Scale (C)	Reverse stand-off Voltage	Breakdown voltage		Test Current	Reverse Leakage		Max Clamp Voltage	Peak Pulse Current	
						VBR@IT			IR@VRWM				
						UNI	BI	mil	mil	um	VRWM	Min	Max
						V	V	V	mA	uA	uA	V	A
P4KE7.5A	/	60±2	41±1	330±30	6.4	7.13	7.88	1	200	200	11.3	35.4	
P4KE8.2A	P4KE8.2CA	60±2	41±1	330±30	7.0	7.79	8.61	1	200	200	12.1	33.1	
P4KE9.1A	P4KE9.1CA	60±2	41±1	330±30	7.8	8.65	9.55	1	50	50	13.4	29.9	
P4KE10A	P4KE10CA	60±2	41±1	330±30	8.6	9.50	10.50	1	10	10	14.5	27.6	
P4KE11A	P4KE11CA	60±2	41±1	330±30	9.4	10.50	11.60	1	5	5	15.6	25.6	
P4KE12A	P4KE12CA	60±2	41±1	330±30	10.2	11.40	12.60	1	1	1	16.7	24.0	
P4KE13A	P4KE13CA	60±2	41±1	330±30	11.1	12.40	13.70	1	1	1	18.2	22.0	
P4KE15A	P4KE15CA	60±2	41±1	330±30	12.8	14.30	15.80	1	1	1	21.2	18.9	
P4KE16A	P4KE16CA	60±2	41±1	330±30	13.6	15.20	16.80	1	1	1	22.5	17.8	
P4KE18A	P4KE18CA	60±2	41±1	330±30	15.3	17.10	18.90	1	1	1	25.2	15.9	
P4KE20A	P4KE20CA	60±2	41±1	330±30	17.1	19.00	21.00	1	1	1	27.7	14.4	
P4KE22A	P4KE22CA	60±2	41±1	330±30	18.8	20.90	23.10	1	1	1	30.6	13.1	
P4KE24A	P4KE24CA	60±2	41±1	330±30	20.5	22.80	25.20	1	1	1	33.2	12.0	
P4KE27A	P4KE27CA	60±2	41±1	330±30	23.1	25.70	28.40	1	1	1	37.5	10.7	
P4KE30A	P4KE30CA	60±2	41±1	330±30	25.6	28.50	31.50	1	1	1	41.1	9.7	
P4KE33A	P4KE33CA	60±2	41±1	330±30	28.2	31.40	34.70	1	1	1	45.7	8.8	
P4KE36A	P4KE36CA	60±2	41±1	330±30	30.8	34.20	37.80	1	1	1	49.9	8.0	
P4KE39A	P4KE39CA	60±2	41±1	330±30	33.3	37.10	41.00	1	1	1	53.9	7.4	
P4KE43A	P4KE43CA	60±2	41±1	330±30	36.8	40.90	45.20	1	1	1	59.3	6.7	
P4KE47A	P4KE47CA	60±2	41±1	330±30	40.2	44.70	49.40	1	1	1	64.8	6.2	
P4KE51A	P4KE51CA	60±2	41±1	330±30	43.6	48.50	53.60	1	1	1	70.1	5.7	
P4KE56A	P4KE56CA	60±2	41±1	330±30	47.8	53.20	58.80	1	1	1	77.0	5.2	
P4KE62A	P4KE62CA	60±2	41±1	330±30	53.0	58.90	65.10	1	1	1	85.0	4.7	
P4KE68A	P4KE68CA	60±2	41±1	330±30	58.1	64.40	71.40	1	1	1	92.0	4.3	
P4KE75A	P4KE75CA	60±2	41±1	330±30	64.1	71.30	78.80	1	1	1	103.0	3.9	
P4KE82A	P4KE82CA	60±2	41±1	330±30	70.1	77.90	86.10	1	1	1	113.0	3.5	
P4KE91A	P4KE91CA	60±2	41±1	330±30	77.8	86.50	95.50	1	1	1	125.0	3.2	
P4KE100A	P4KE100CA	60±2	41±1	330±30	85.5	95.00	105.00	1	1	1	137.0	2.9	
P4KE110A	P4KE110CA	60±2	41±1	330±30	94.0	105.00	116.00	1	1	1	152.0	2.6	
P4KE120A	P4KE120CA	60±2	41±1	330±30	102.0	114.00	126.00	1	1	1	165.0	2.4	
P4KE130A	P4KE130CA	60±2	41±1	330±30	111.0	124.00	137.00	1	1	1	179.0	2.2	
P4KE150A	P4KE150CA	60±2	41±1	330±30	128.0	143.00	158.00	1	1	1	207.0	1.9	
P4KE160A	P4KE160CA	60±2	41±1	330±30	136.0	152.00	168.00	1	1	1	219.0	1.8	
P4KE170A	P4KE170CA	60±2	41±1	330±30	145.0	162.00	179.00	1	1	1	234.0	1.7	
P4KE180A	P4KE180CA	60±2	41±1	330±30	154.0	171.00	189.00	1	1	1	246.0	1.6	
P4KE200A	P4KE200CA	60±2	41±1	330±30	171.0	190.00	210.00	1	1	1	274.0	1.5	
P4KE220A	P4KE220CA	70±2	46±1	330±30	185.0	209.00	231.00	1	1	1	328.0	1.2	
P4KE250A	P4KE250CA	70±2	46±1	330±30	214.0	237.00	263.00	1	1	1	344.0	1.2	
P4KE300A	P4KE300CA	70±2	46±1	330±30	256.0	285.00	315.00	1	1	1	414.0	1.0	
P4KE350A	P4KE350CA	70±2	46±1	330±30	300.0	333.00	368.00	1	1	1	482.0	0.8	
P4KE400A	P4KE400CA	70±2	46±1	330±30	342.0	380.00	420.00	1	1	1	548.0	0.7	
P4KE440A	P4KE440CA	70±2	46±1	330±30	376.0	418.00	462.00	1	1	1	602.0	0.7	

3. 600W

Part Number		Dice Scale (A)	Scale (B)	Scale (C)	Reverse stand-off Voltage	Breakdown voltage		Test Current	Reverse Leakage		Max Clamp Voltage	Peak Pulse Current	
						VBR@IT			IT	IR@VRWM			
						VRWM	Min			Max			UNI
UNI	BI	mil	mil	um	V	V	V	mA	uA	uA	V	A	
P6KE7.5A	/	73±2	54±1	330±30	6.4	7.13	7.88	1	200	200	11.3	53.1	
P6KE8.2A	P6KE8.2CA	73±2	54±1	330±30	7.0	7.79	8.61	1	200	200	12.1	49.6	
P6KE9.1A	P6KE9.1CA	73±2	54±1	330±30	7.8	8.65	9.55	1	50	50	13.4	44.8	
P6KE10A	P6KE10CA	73±2	54±1	330±30	8.6	9.50	10.50	1	10	10	14.5	41.4	
P6KE11A	P6KE11CA	73±2	54±1	330±30	9.4	10.50	11.60	1	5	5	15.6	38.5	
P6KE12A	P6KE12CA	73±2	54±1	330±30	10.2	11.40	12.60	1	1	1	16.7	35.9	
P6KE13A	P6KE13CA	73±2	54±1	330±30	11.1	12.40	13.70	1	1	1	18.2	33.0	
P6KE15A	P6KE15CA	73±2	54±1	330±30	12.8	14.30	15.80	1	1	1	21.2	28.3	
P6KE16A	P6KE16CA	73±2	54±1	330±30	13.6	15.20	16.80	1	1	1	22.5	26.7	
P6KE18A	P6KE18CA	73±2	54±1	330±30	15.3	17.10	18.90	1	1	1	25.2	23.8	
P6KE20A	P6KE20CA	73±2	54±1	330±30	17.1	19.00	21.00	1	1	1	27.7	21.7	
P6KE22A	P6KE22CA	73±2	54±1	330±30	18.8	20.90	23.10	1	1	1	30.6	19.6	
P6KE24A	P6KE24CA	73±2	54±1	330±30	20.5	22.80	25.20	1	1	1	33.2	18.1	
P6KE27A	P6KE27CA	73±2	54±1	330±30	23.1	25.70	28.40	1	1	1	37.5	16.0	
P6KE30A	P6KE30CA	73±2	54±1	330±30	25.6	28.50	31.50	1	1	1	41.1	14.5	
P6KE33A	P6KE33CA	73±2	54±1	330±30	28.2	31.40	34.70	1	1	1	45.7	13.1	
P6KE36A	P6KE36CA	73±2	54±1	330±30	30.8	34.20	37.80	1	1	1	49.9	12.0	
P6KE39A	P6KE39CA	73±2	54±1	330±30	33.3	37.10	41.00	1	1	1	53.9	11.1	
P6KE43A	P6KE43CA	73±2	54±1	330±30	36.8	40.90	45.20	1	1	1	59.3	10.1	
P6KE47A	P6KE47CA	73±2	54±1	330±30	40.2	44.70	49.40	1	1	1	64.8	9.3	
P6KE51A	P6KE51CA	73±2	54±1	330±30	43.6	48.50	53.60	1	1	1	70.1	8.6	
P6KE56A	P6KE56CA	73±2	54±1	330±30	47.8	53.20	58.80	1	1	1	77.0	7.8	
P6KE62A	P6KE62CA	73±2	54±1	330±30	53.0	58.90	65.10	1	1	1	85.0	7.1	
P6KE68A	P6KE68CA	73±2	54±1	330±30	58.1	64.40	71.40	1	1	1	92.0	6.5	
P6KE75A	P6KE75CA	73±2	54±1	330±30	64.1	71.30	78.80	1	1	1	103.0	5.8	
P6KE82A	P6KE82CA	73±2	54±1	330±30	70.1	77.90	86.10	1	1	1	113.0	5.3	
P6KE91A	P6KE91CA	73±2	54±1	330±30	77.8	86.50	95.50	1	1	1	125.0	4.8	
P6KE100A	P6KE100CA	79±2	60±1	330±30	85.5	95.00	105.00	1	1	1	137.0	4.4	
P6KE110A	P6KE110CA	79±2	60±1	330±30	94.0	105.00	116.00	1	1	1	152.0	3.9	
P6KE120A	P6KE120CA	79±2	60±1	330±30	102.0	114.00	126.00	1	1	1	165.0	3.6	
P6KE130A	P6KE130CA	79±2	60±1	330±30	111.0	124.00	137.00	1	1	1	179.0	3.4	
P6KE150A	P6KE150CA	79±2	60±1	330±30	128.0	143.00	158.00	1	1	1	207.0	2.9	
P6KE160A	P6KE160CA	79±2	60±1	330±30	136.0	152.00	168.00	1	1	1	219.0	2.7	
P6KE170A	P6KE170CA	79±2	60±1	330±30	145.0	162.00	179.00	1	1	1	234.0	2.6	
P6KE180A	P6KE180CA	79±2	60±1	330±30	154.0	171.00	189.00	1	1	1	246.0	2.4	
P6KE200A	P6KE200CA	79±2	60±1	330±30	171.0	190.00	210.00	1	1	1	274.0	2.2	
P6KE220A	P6KE220CA	79±2	60±1	330±30	185.0	209.00	231.00	1	1	1	328.0	1.8	
P6KE250A	P6KE250CA	79±2	60±1	330±30	214.0	237.00	263.00	1	1	1	344.0	1.7	
P6KE300A	P6KE300CA	95±2	69±1	330±30	256.0	285.00	315.00	1	1	1	414.0	1.4	
P6KE350A	P6KE350CA	95±2	69±1	330±30	300.0	333.00	368.00	1	1	1	482.0	1.2	
P6KE400A	P6KE400CA	95±2	69±1	330±30	342.0	380.00	420.00	1	1	1	548.0	1.1	
P6KE440A	P6KE440CA	95±2	69±1	330±30	376.0	418.00	462.00	1	1	1	602.0	1.0	

4. 1500W

Part Number		Dice Scale (A)	Scale (B)	Scale (C)	Reverse stand-off Voltage	Breakdown voltage		Test Current	Reverse Leakage		Max Clamp Voltage	Peak Pulse Current	
						VBR@IT			IT	IR@VRWM			
						VRWM	Min			Max			UNI
UNI	BI	mil	mil	um	V	V	V	mA	uA	uA	V	A	
1.5KE10A	1.5KE10CA	110±2	91±1	330±30	8.6	9.50	10.50	1	10	10	14.5	103.4	
1.5KE11A	1.5KE11CA	110±2	91±1	330±30	9.4	10.50	11.60	1	5	5	15.6	96.1	
1.5KE12A	1.5KE12CA	110±2	91±1	330±30	10.2	11.40	12.60	1	1	1	16.7	89.8	
1.5KE13A	1.5KE13CA	110±2	91±1	330±30	11.1	12.40	13.70	1	1	1	18.2	82.4	
1.5KE15A	1.5KE15CA	110±2	91±1	330±30	12.8	14.30	15.80	1	1	1	21.2	71.1	
1.5KE16A	1.5KE16CA	110±2	91±1	330±30	13.6	15.20	16.80	1	1	1	22.5	66.7	
1.5KE18A	1.5KE18CA	110±2	91±1	330±30	15.3	17.10	18.90	1	1	1	25.2	59.5	
1.5KE20A	1.5KE20CA	110±2	91±1	330±30	17.1	19.00	21.00	1	1	1	27.7	54.2	
1.5KE22A	1.5KE22CA	110±2	91±1	330±30	18.8	20.90	23.10	1	1	1	30.6	49.0	
1.5KE24A	1.5KE24CA	110±2	91±1	330±30	20.5	22.80	25.20	1	1	1	33.2	45.2	
1.5KE27A	1.5KE27CA	110±2	91±1	330±30	23.1	25.70	28.40	1	1	1	37.5	40.0	
1.5KE30A	1.5KE30CA	110±2	91±1	330±30	25.6	28.50	31.50	1	1	1	41.1	36.5	
1.5KE33A	1.5KE33CA	110±2	91±1	330±30	28.2	31.40	34.70	1	1	1	45.7	32.8	
1.5KE36A	1.5KE36CA	110±2	91±1	330±30	30.8	34.20	37.80	1	1	1	49.9	30.1	
1.5KE39A	1.5KE39CA	110±2	91±1	330±30	33.3	37.10	41.00	1	1	1	53.9	27.8	
1.5KE43A	1.5KE43CA	110±2	91±1	330±30	36.8	40.90	45.20	1	1	1	59.3	25.3	
1.5KE47A	1.5KE47CA	110±2	91±1	330±30	40.2	44.70	49.40	1	1	1	64.8	23.1	
1.5KE51A	1.5KE51CA	110±2	91±1	330±30	43.6	48.50	53.60	1	1	1	70.1	21.4	
1.5KE56A	1.5KE56CA	110±2	91±1	330±30	47.8	53.20	58.80	1	1	1	77.0	19.5	
1.5KE62A	1.5KE62CA	110±2	91±1	330±30	53.0	58.90	65.10	1	1	1	85.0	17.6	
1.5KE68A	1.5KE68CA	110±2	91±1	330±30	58.1	64.40	71.40	1	1	1	92.0	16.3	
1.5KE75A	1.5KE75CA	110±2	91±1	330±30	64.1	71.30	78.80	1	1	1	103.0	14.6	
1.5KE82A	1.5KE82CA	110±2	91±1	330±30	70.1	77.90	86.10	1	1	1	113.0	13.3	
1.5KE91A	1.5KE91CA	110±2	91±1	330±30	77.8	86.50	95.50	1	1	1	125.0	12.0	
1.5KE100A	1.5KE100CA	120±2	101±1	330±30	85.5	95.00	105.00	1	1	1	137.0	10.9	
1.5KE110A	1.5KE110CA	120±2	101±1	330±30	94.0	105.00	116.00	1	1	1	152.0	9.9	
1.5KE120A	1.5KE120CA	120±2	101±1	330±30	102.0	114.00	126.00	1	1	1	165.0	9.1	
1.5KE130A	1.5KE130CA	120±2	101±1	330±30	111.0	124.00	137.00	1	1	1	179.0	8.4	
1.5KE150A	1.5KE150CA	120±2	101±1	330±30	128.0	143.00	158.00	1	1	1	207.0	7.2	
1.5KE250A	1.5KE250CA	140±2	114±1	330±30	214.0	237.00	263.00	1	1	1	344.0	4.4	
1.5KE300A	1.5KE300CA	160±2	134±1	330±30	256.0	285.00	315.00	1	1	1	414.0	3.6	
1.5KE350A	1.5KE350CA	160±2	134±1	330±30	300.0	333.00	368.00	1	1	1	482.0	3.1	
1.5KE400A	1.5KE400CA	160±2	134±1	330±30	342.0	380.00	420.00	1	1	1	548.0	2.7	
1.5KE440A	1.5KE440CA	160±2	134±1	330±30	376.0	418.00	462.00	1	1	1	602.0	2.5	