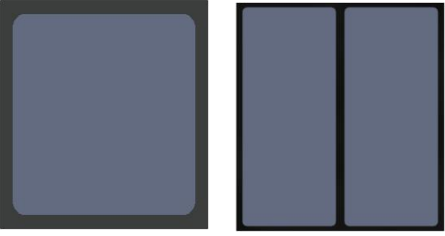



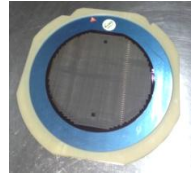





DEVICE TYPE: 150V Schottky Barrier Diode(High ESD)

CHIP LAY-OUT	CHIP INFO	DIMENSION / DATA		
<p>Single die Dual die</p>  <p>TOP VIEW</p>  <p>SIDE VIEW</p> 	V_{RWM}	150V		
	I_{FAV}	1A~120A		
	T_{JMAX}	150~175°C		
	WAFER SIZE	150 ± 0.3 mm		
	CHIP SIZE	28mil~300mil		
	CHIP THICKNESS	6~11 mils		
	SCRIBE LINE WIDTH	4 mils		
	METALLIZATION			
	- Top Metal	>70mil	≤70mil	
	Ag	36000Å	48000Å	
	Au	6500Å		
	Al	73000Å		
	- Back Metal	>70mil	≤70mil	
	Ag	11000Å	17000Å	
Au	4000Å			
ESD Capability	Minimum Electro-Static Discharge resistance to voltage			
	JEDEC Standard	>8	kv	
	IEC-61000-4-2 Standard	>2		
Delivery	Wafer (6 inch)	Dies with tape	Dies in bottle (≤70mil)	
				

YIELD CUT-OFF: 95%

WAFER MANUFACTURER: Li-ON Microelectronics

LOCATION: Hangzhou, China

Update:2018-6-4



DEVICE TYPE: 150V Schottky Barrier Diode(High ESD)

ELECTRICAL RATINGS & CHARACTERISTICS $T_J > 175^\circ\text{C}$ ($T_A = 25^\circ\text{C}$, UNLESS OTHERWISE NOTED)								
SYMBOL	CHIP SIZE (mil)	CONTACT SIZE(mil)	I_{FAV} (A)	Device	RS(A)	IFSM(A)	V_{FMAX} (V)	I_{RMAX} (uA)
Single die	24.4	18.1*18.1	1		1	20		
	28	20*20	1		1	25		
	32	24*24	1		1	30		
	35	27*27	1	S2190A	1	35	0.85	2
	40	32*32	2	S2195A	1	40	0.92	2
	45	37*37	2	S2121A	1	50	0.88	2
	50	42*42	3	S2347A	2	60	0.92	2
	53	43.5*43.5	3	S2163A	2	80	0.88	2
	60	51.5*51.5	3	S2153A	2	100	0.85	5
	63	54*54	5	S2223A	2	120	0.92	5
	70	61*61	5	S2122A	2	150	0.85	5
	78	69*69	8	S2194A	2	180	0.9	5
	88	79*79	10	S2184A	2	200	0.88	5
	98	89.2*89.2	15	S2265A	2	250	0.88	5
	105	96.2*96.2	15	S2187A	2	275	0.86	5
	120	111.2*111.2	15	S2258A	3	275	0.85	5
	130	120.8*120.8	20		3	275		
	150	141.7*141.7	30		3	275		
	175	166.7*166.7	40		3	275		
	200	190.5*190.5	50		3	275		
	250	237*237	80	S2288A	3	275	0.85	10
275	266.7*266.7	100	S2293A	3	275	0.85	20	
300	287*287	120	S2309A	3	275	0.85	20	
Dual die	86	36.15*78*2	2*5	S2202A	2	120	0.92	2
	97	40.65*88*2	2*5	S2253A	2	150	0.9	2
	102	44.25*94*2	2*10	S2167A	2	160	0.94	5
	112	48.25*103*2	2*10	S2256A	2	180	0.92	5
	122	54.25*114*2	2*10	S2185A	2	200	0.88	5
	141	63.25*132.5*2	2*15	S2186A	3	250	0.88	5
	170	77.25*161*2	2*20		3	275		