

JIEJIE MICROELECTRONICS CO., LTD.



Isolation Voltage [V]	V_{iso}	5000	Vrms
Operating Temperature	T_{opr}	-40 r 110	
Junction Temperature	T_j	125	
Storage Temperature	$T_{st []}$	-40 r 125	
Soldering Temperature	T_{sol}	260	
Peak-to-peak pulse voltage [V] f = 1 kHz / non-repetitive, Z Z-state	V_{pp}	3	V

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b \ u 9 ° /

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Parameter

Symbol

Condition

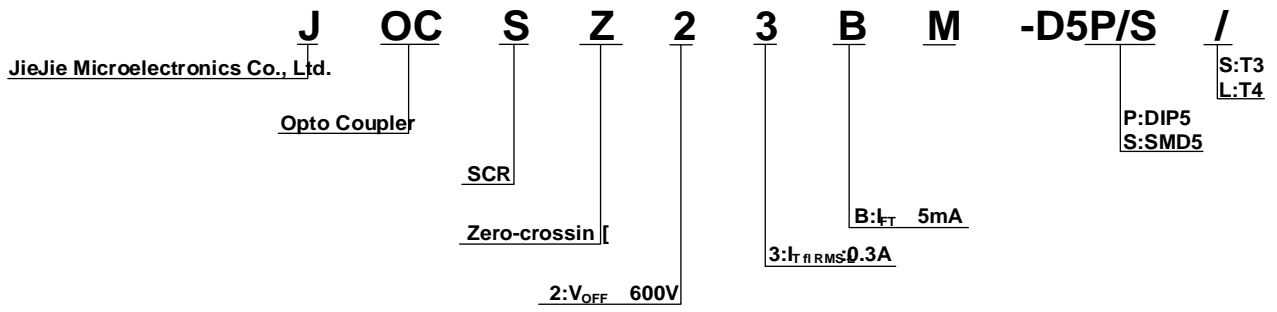
Min.

Typ.

. . °



\ k 59 k LbD LbC \ k a ° u L \ b



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/

FIG.1: Max. Allowable LED Forward Current vs. Ambient Temperature

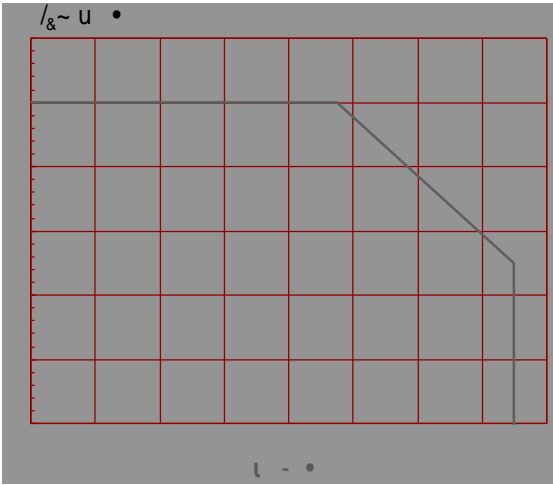


FIG.2: On-state Terminal Current vs. Ambient Temperature

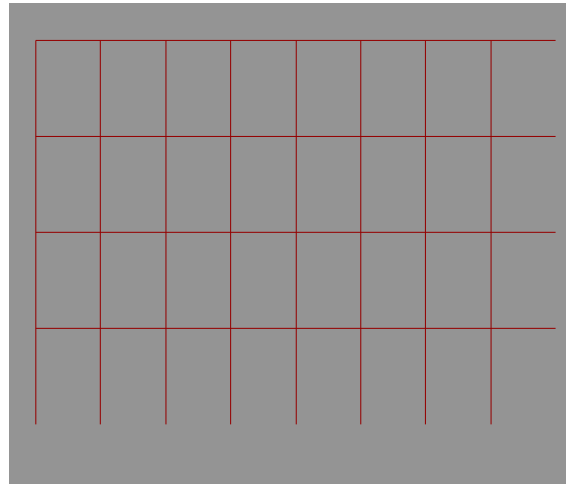


FIG.7: On-state characteristics

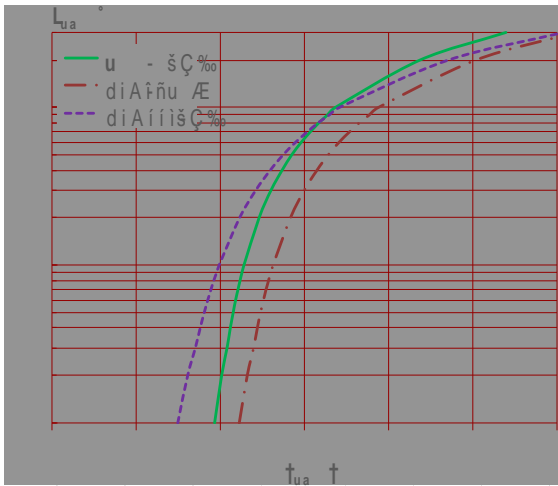


FIG.8: Normalized $I_{c(on)}$ [Current vs. Ambient Temperature



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FIG.11: Test Circuits o Z Turn On Time

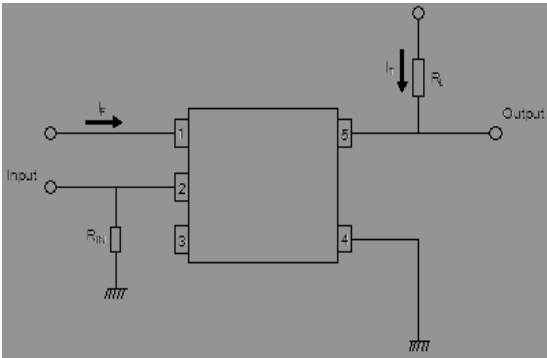
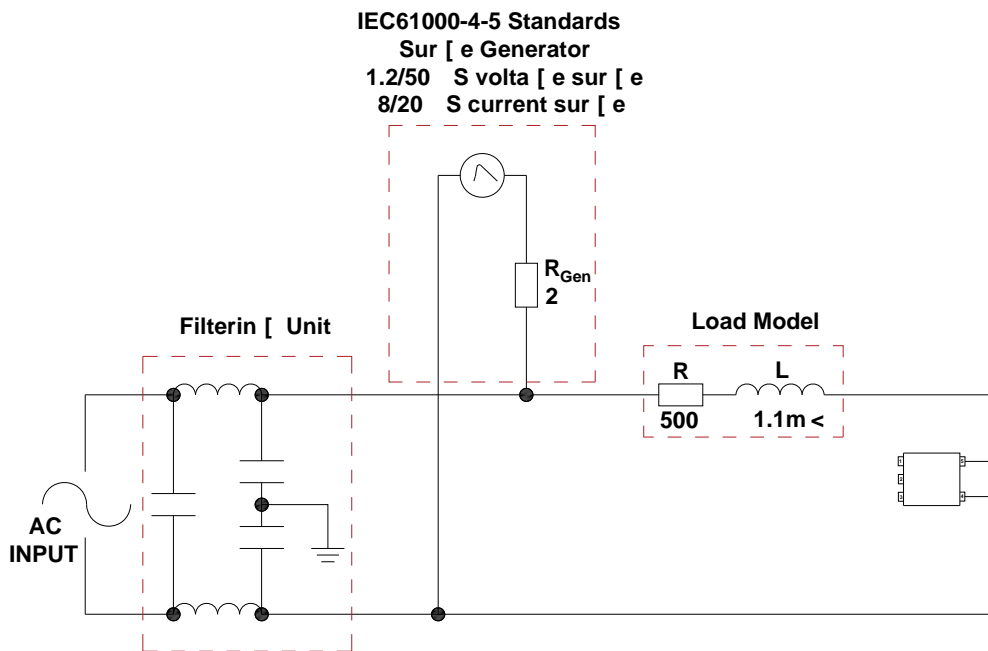


FIG.12: Waveforms o Z Turn On Time



FIG.13: Test circuit Z or inductive and resistive loads to IEC-61000-4-5 standards

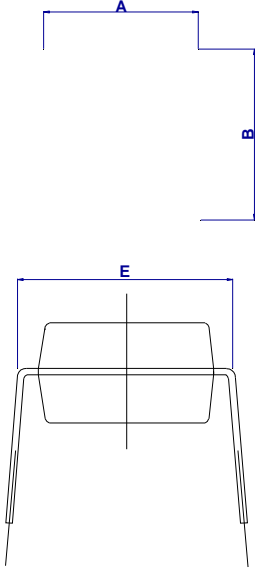


t

5

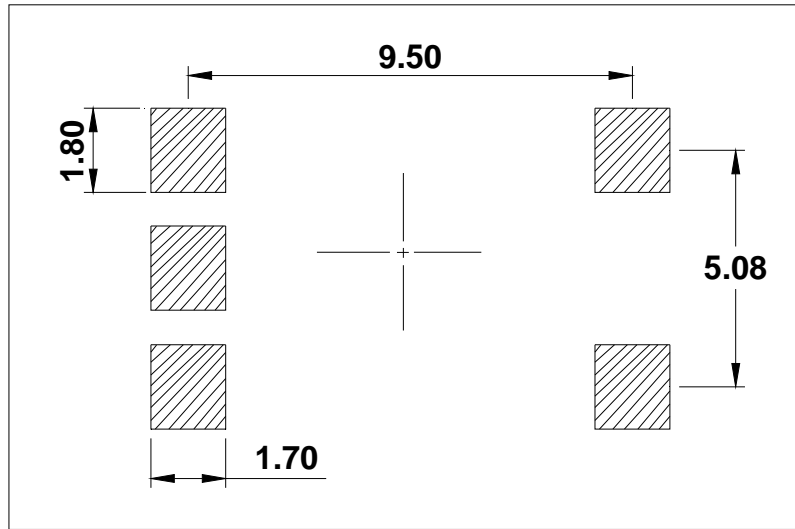
y

Standard DIP Type:



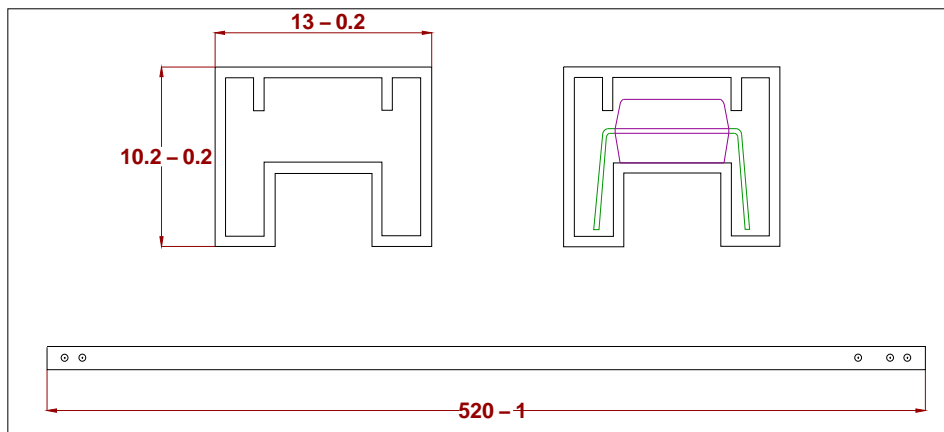
5

Option SMD



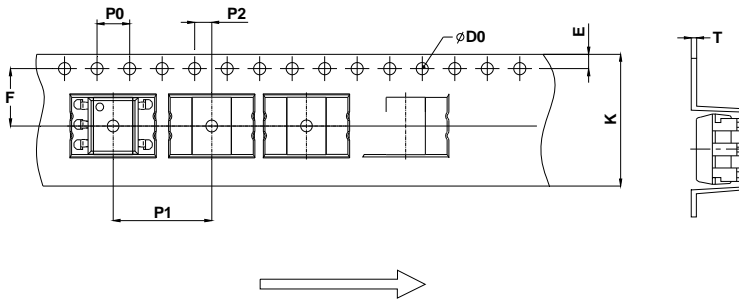
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Standard DIP



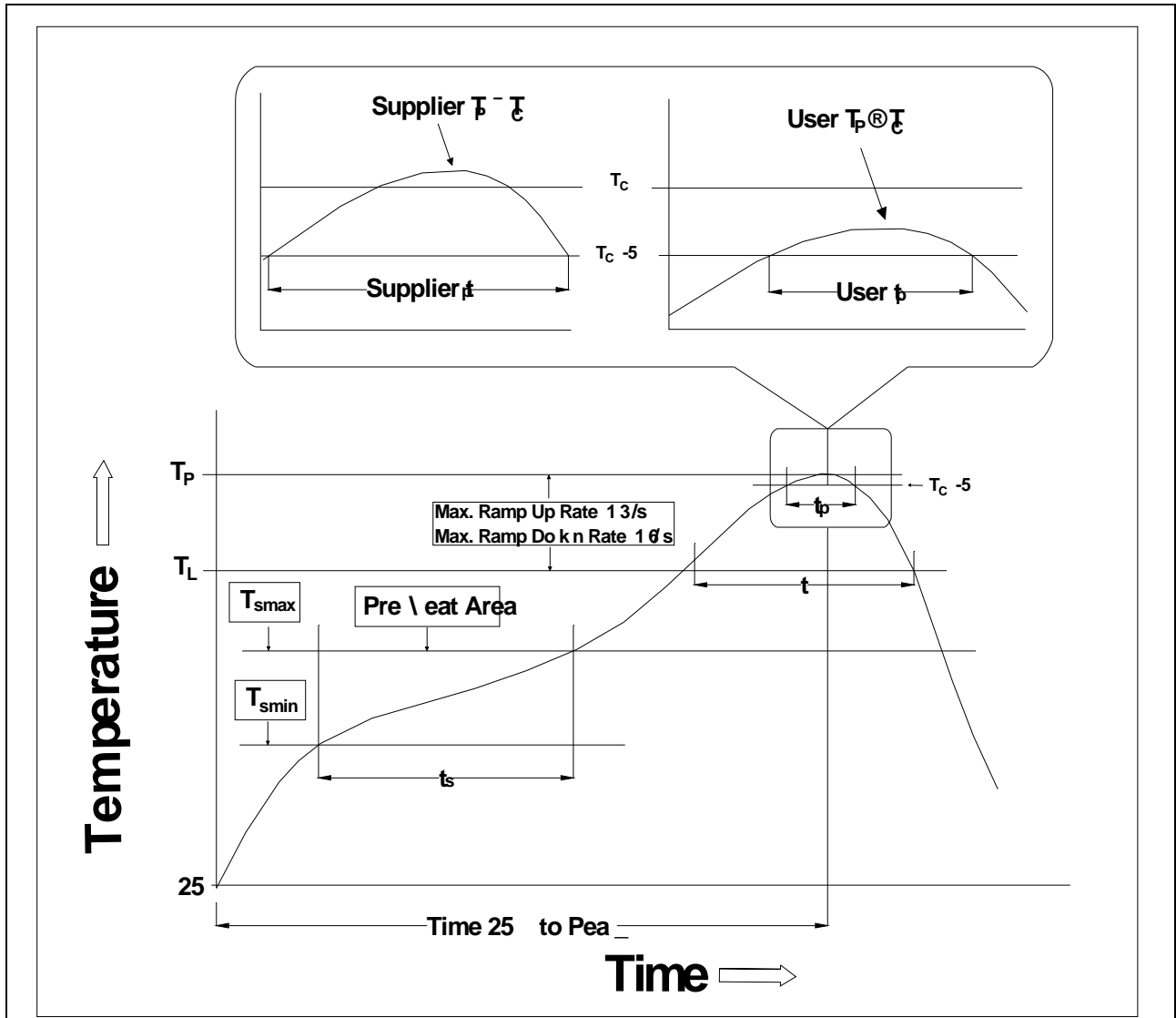
/ ° k k L9 k u ° t9 o t9/LCL/ ° u L \ b o 5

Option S/L



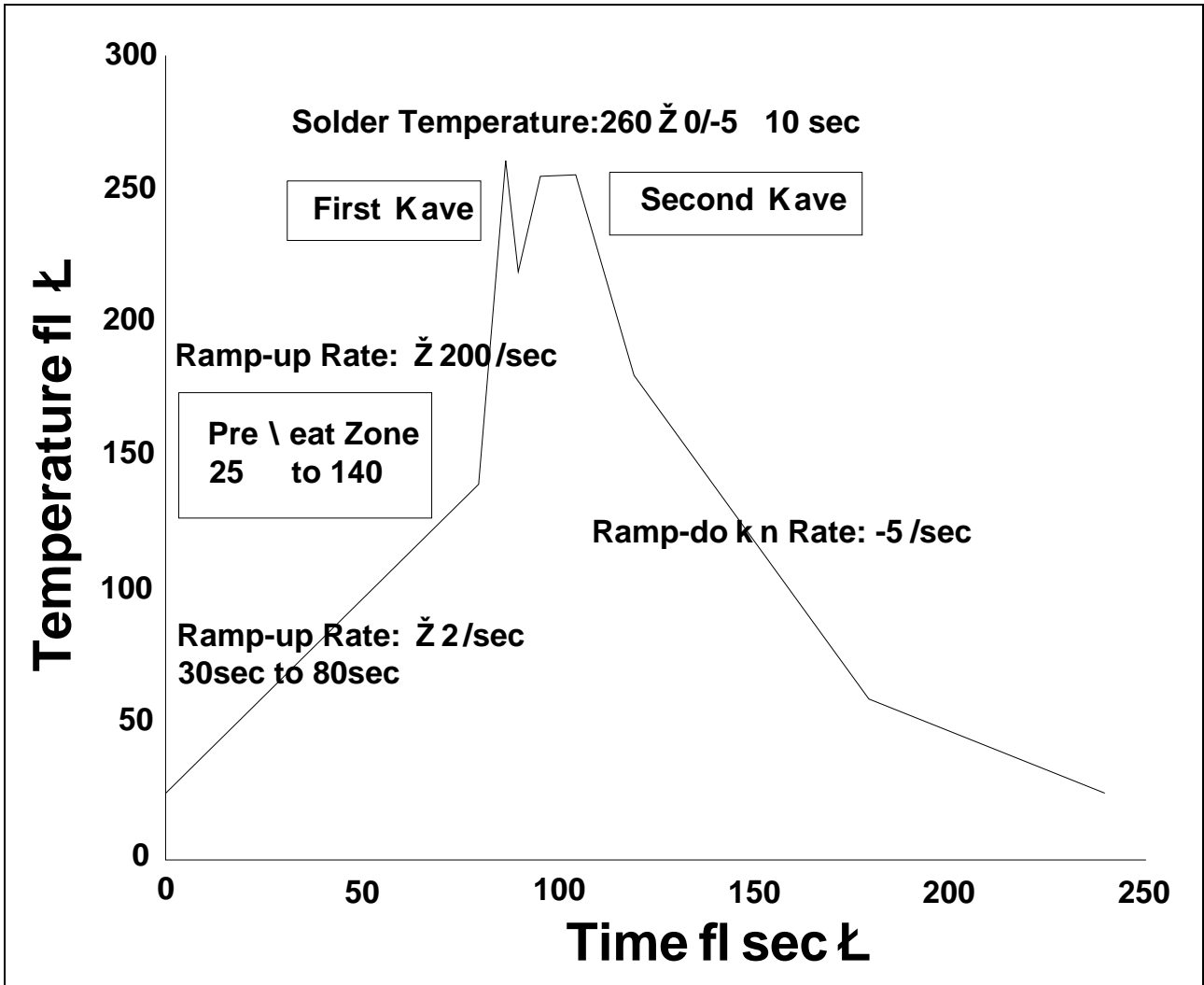
Re Z.	Dimensions					
	Millimeters			Inc \ es		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0		1.50	1.60		0.059	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	11.90	12.00	12.10	0.469	0.472	0.476
P2	1.90	2.00	2.10	0.075	0.079	0.083
E	1.65	1.75	1.85	0.065	0.069	0.073
F	7.40	7.50	7.60	0.291	0.295	0.299
T	0.35	0.40	0.45	0.014	0.016	0.018
K	15.70	16.00	16.30	0.618	0.630	0.642

Temperature Profile



Temperature Min. (Tsmin)	150
Temperature Max. (Tsmax)	200
Time (ts) - From (Tsmin) to (Tsmax)	60-120 seconds
Ramp-up Rate (TL to TP)	3 /second max.
Lie uidus Temperature (TL)	217
Time (TL) Maintained Above (TL)	60-120 seconds
Peak Body Package Temperature	260 ± 5
Time (TP) - (TP) to (TL)	10 seconds
Ramp-down Rate (TP to TL)	6 /second max.

‡ ° †9 o \ O59 k LbD



I ° b5 o \ O59 k LbD . ' o \ O59 k LbD L k \ b

Solderin [Temperature	360w5
Solderin [Time	3s max.



Note:

1. Re Z lo k solderin [is recommended at t \ e temperatures and time n, no more t \ an t \ ree times.