



The products are 6-pin optical relays. The device consists of an AlGaAs infrared emitting diode input stage optically coupled to a high-voltage output detector circuit in a plastic DIP6 package with different lead forming options. The detector consists of a high-speed photovoltaic diode array and driver circuitry. The products are widely used in measuring and testing equipment, security and disaster prevention market, industrial machinery and equipment.

High isolation 3750 Vrms

Operating temperature range -40°C to 110°C

REACH & RoHS compliance

HBM: H3A; MM: M4; CDM: C3

CQC approved

VDE approved

UL approved

Temperature=25°C)

F	50	mA	
P	1	A	
R	6	V	
D	75	mW	



: 100 $\mu$ s pulse, 100Hz frequency

: AC for 1minute, R.H.=40~60%

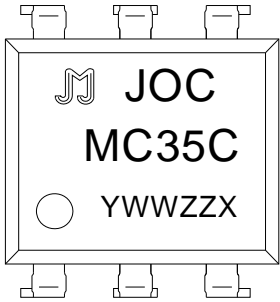
(Temperature=25°C)

Input	Forward Voltage	$V_F$	$I_F=10\text{mA}$	-	1.2	1.5	V
	Reverse Current	$I_R$	$V_R=6\text{V}$	-	-	1	$\mu\text{A}$
	Action Current	$I_{F(\text{ON})}$	$I_L=I_{L(\text{MAX})}$	-	0.9	3	mA
	Reset Current	$I_{F(\text{OFF})}$	$I_L=I_{L(\text{MAX})}$	0.4	0.8	-	mA
Output	On Resistance	$R_{\text{on}}$	$I_F=5\text{mA}$ $I_L=\text{Max.}$ Within 1s on time	-	-	8	
	Off State Leakage Current	$I_{\text{Leak}}$	$I_F=0\text{mA}$ , $V_L=\text{Max.}$	-	-	1	$\mu\text{A}$
Switching Characteristics	Isolation Resistance	$R_{\text{ISO}}$	DC500V 40~60%R.H.	$10^{12}$	-	-	
	Floating Capacitance	$C_{\text{IO}}$	$V=0$ , $f=1\text{MHz}$	-	-	1.5	pF
	Turn On Time	$t_{\text{on}}$	$I_F=5\text{mA}$ , $I_L=\text{Max.}$	-	0.65	2	ms
	Turn Off Time	$t_{\text{off}}$	$I_F=5\text{mA}$ , $I_L=\text{Max.}$	-	0.08	0.2	ms



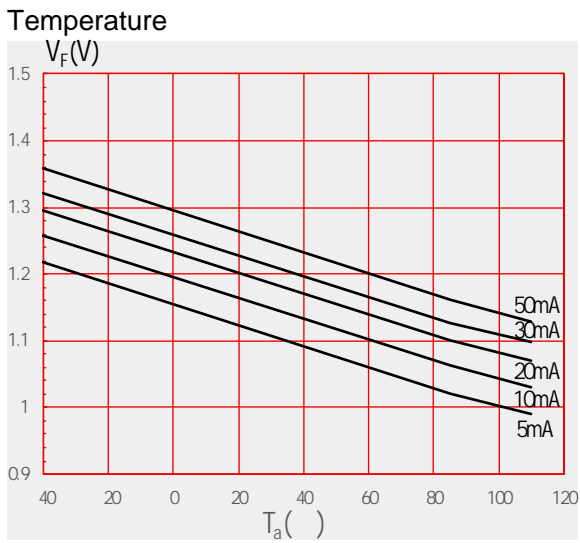
JieJie Microelectronics Co., Ltd.	<b>J</b>	<b>OC</b>	<b>M</b>	<b>C</b>	<b>3</b>	<b>5</b>	<b>C</b>	<b>-D6P/S</b>	<b>/</b>
	Opto Coupler		MOS	C:1NC	3:V <sub>O</sub> : 60V	5:I <sub>O</sub> :0.18A	I <sub>FT</sub> 3mA	P:DIP6 S:SMD6	S:T3 L:T4

DIP	60Units/Tube
SMD	1200Units/Reel

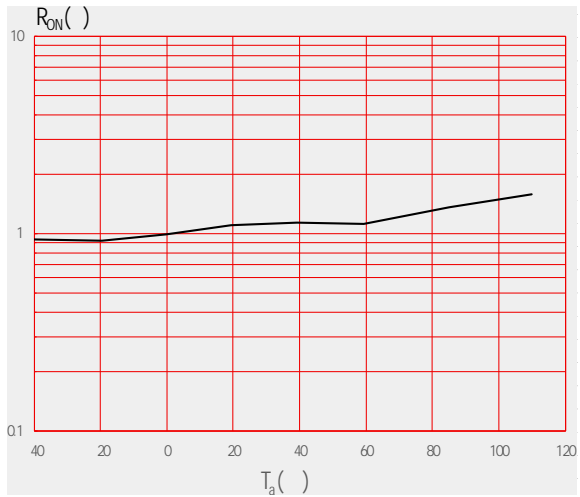
	<p><u>YWWZZX</u></p> <p>LOT NO.</p>
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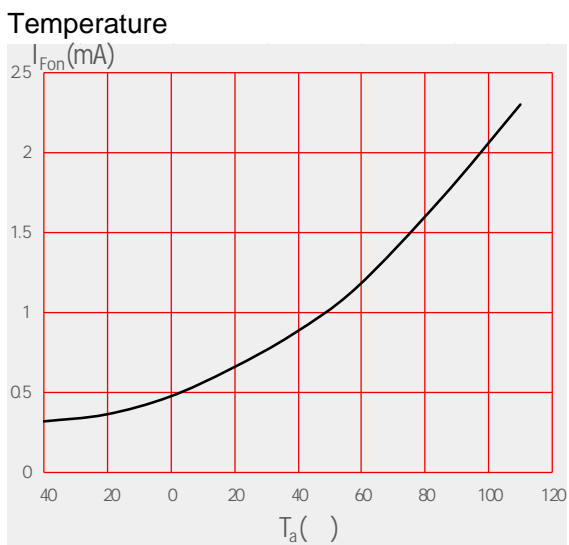
LED Dropout Voltage vs. Ambient



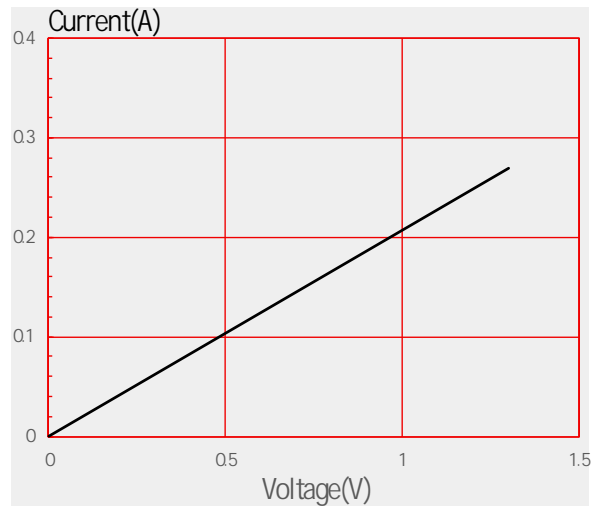
On Resistance vs. Ambient Temperature



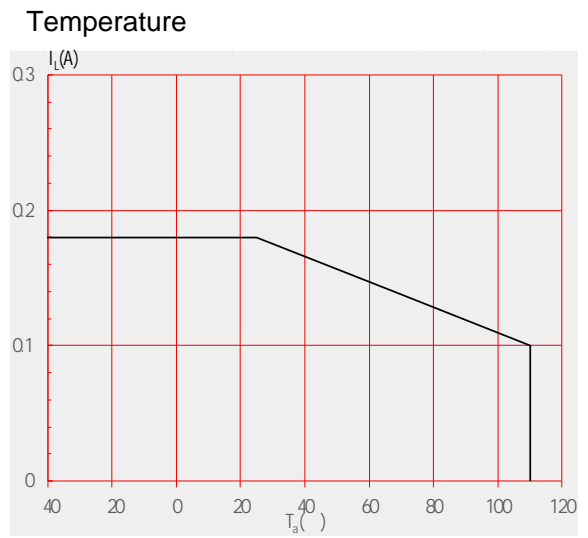
LED Operate Current vs. Ambient



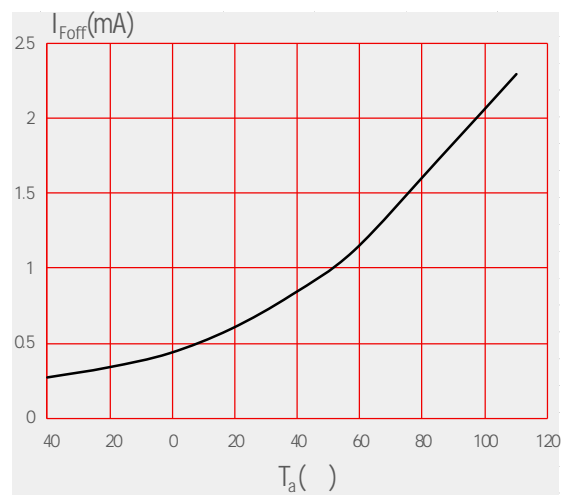
Output Current vs. Output Voltage



Load Current vs. Ambient

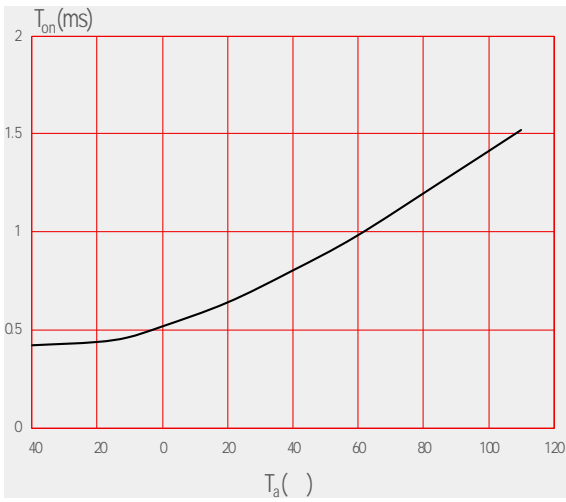


LED Turn Off Current vs. Ambient Temperature

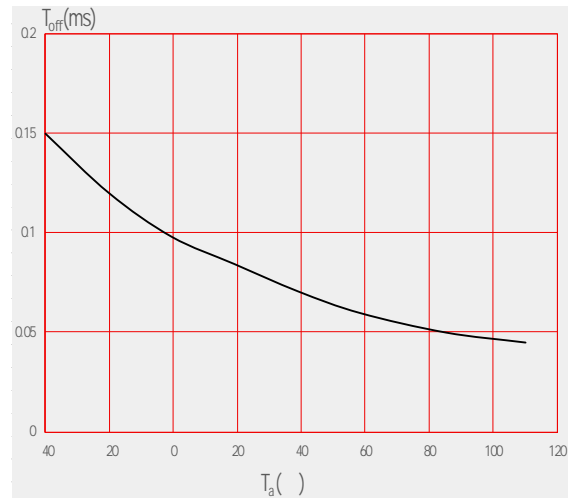




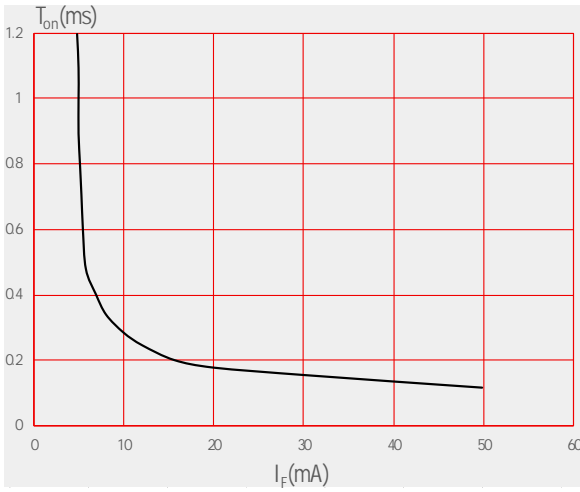
Turn On Time vs. Ambient Temperature



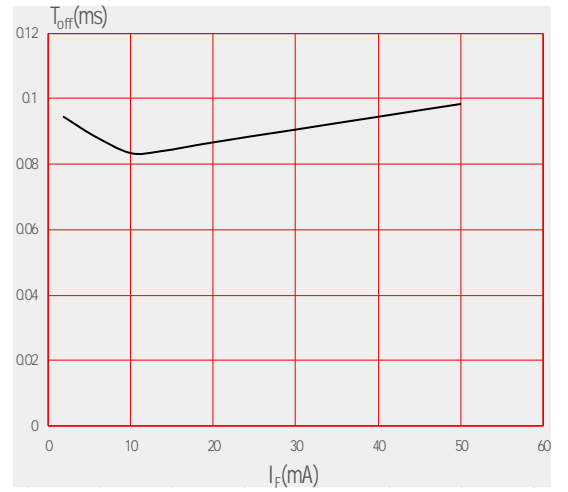
Turn Off Time vs. Ambient Temperature



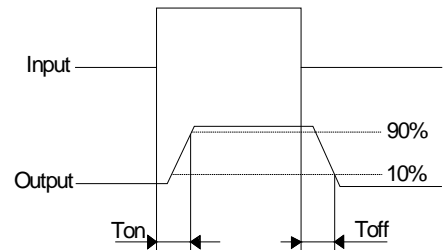
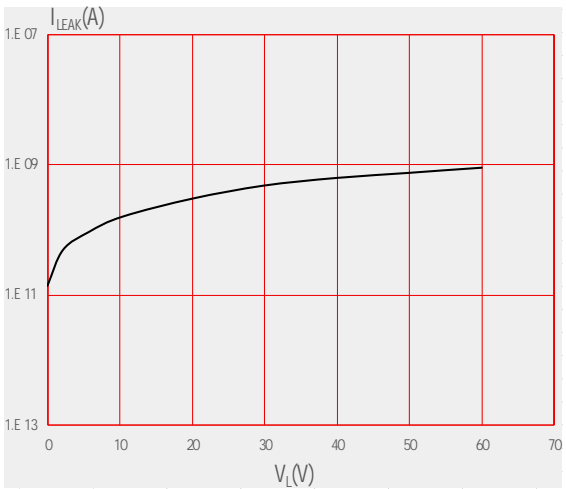
Turn On Time vs. LED Forward Current

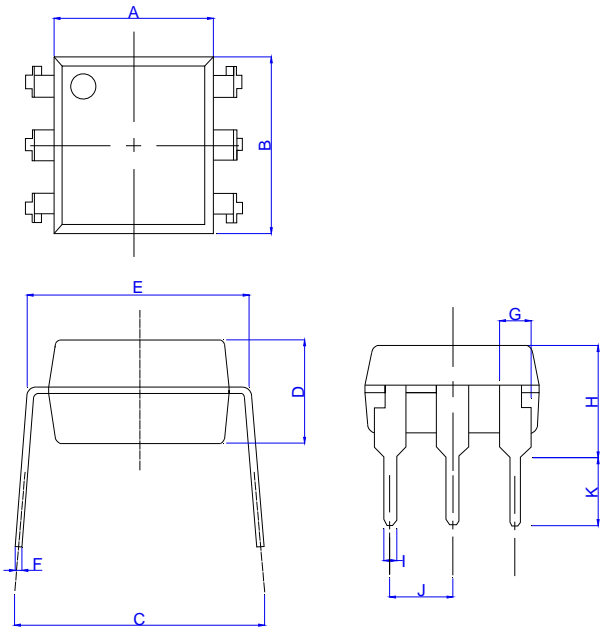


Turn Off Time vs. LED Forward Current



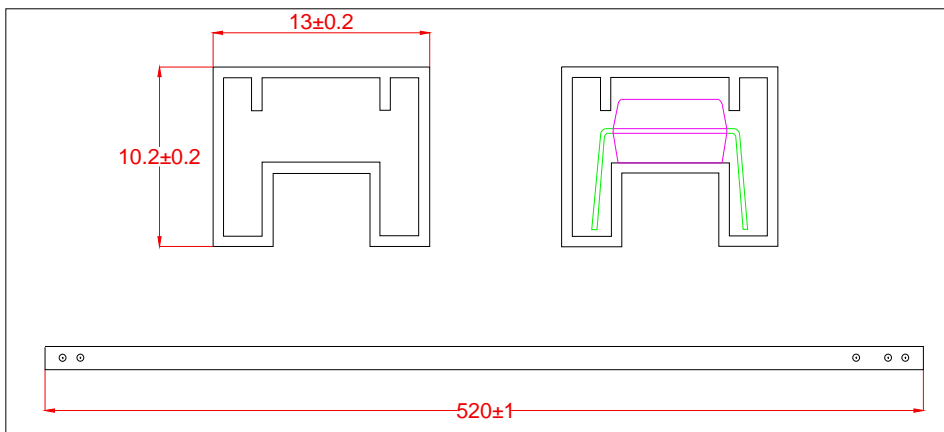
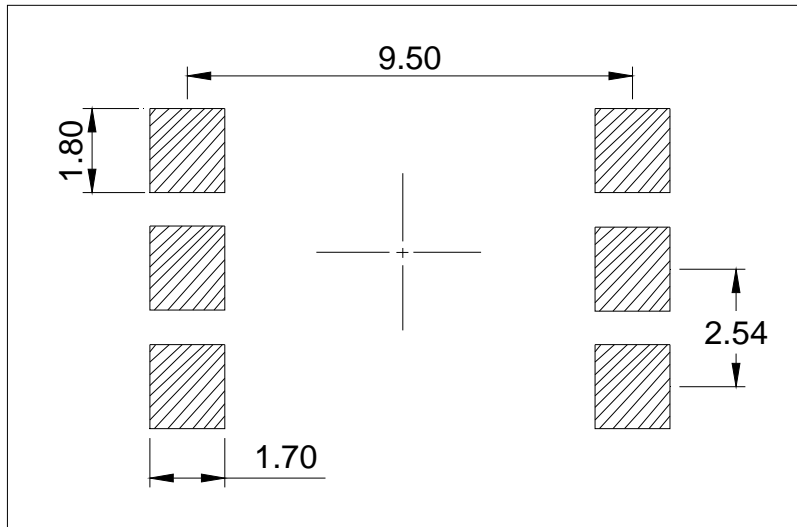
Off State Leakage Current vs. Load Voltage



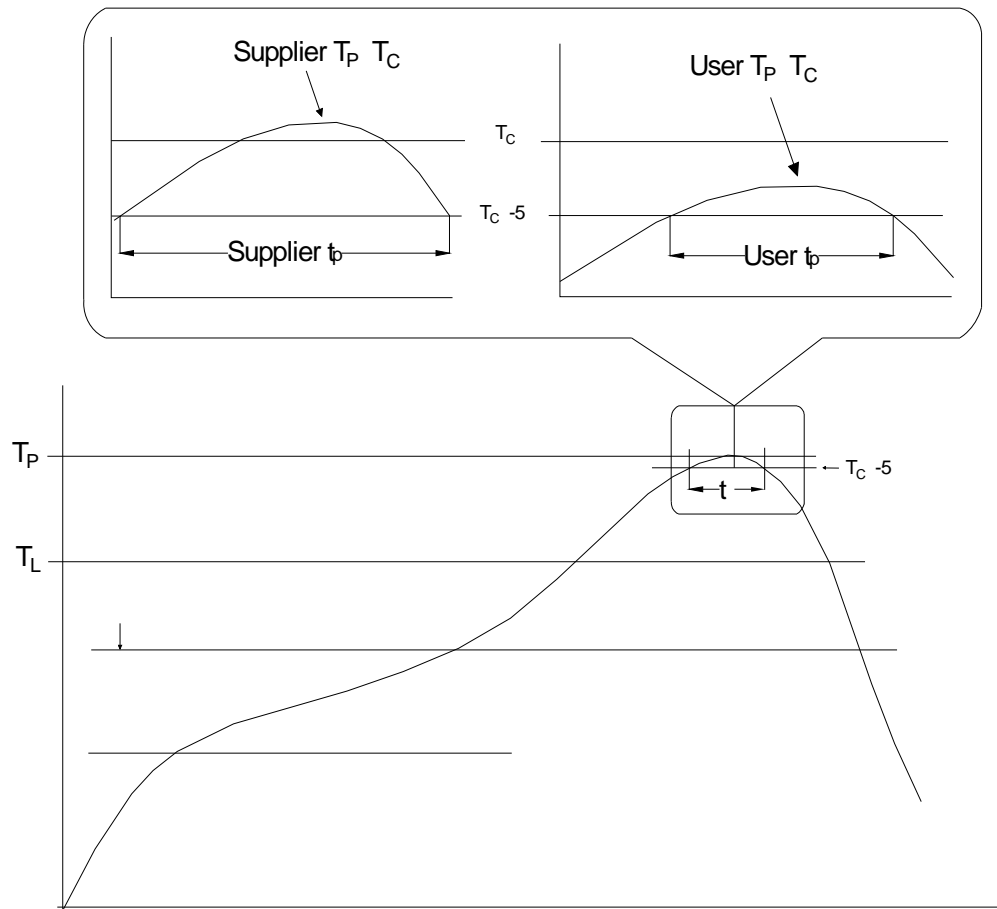


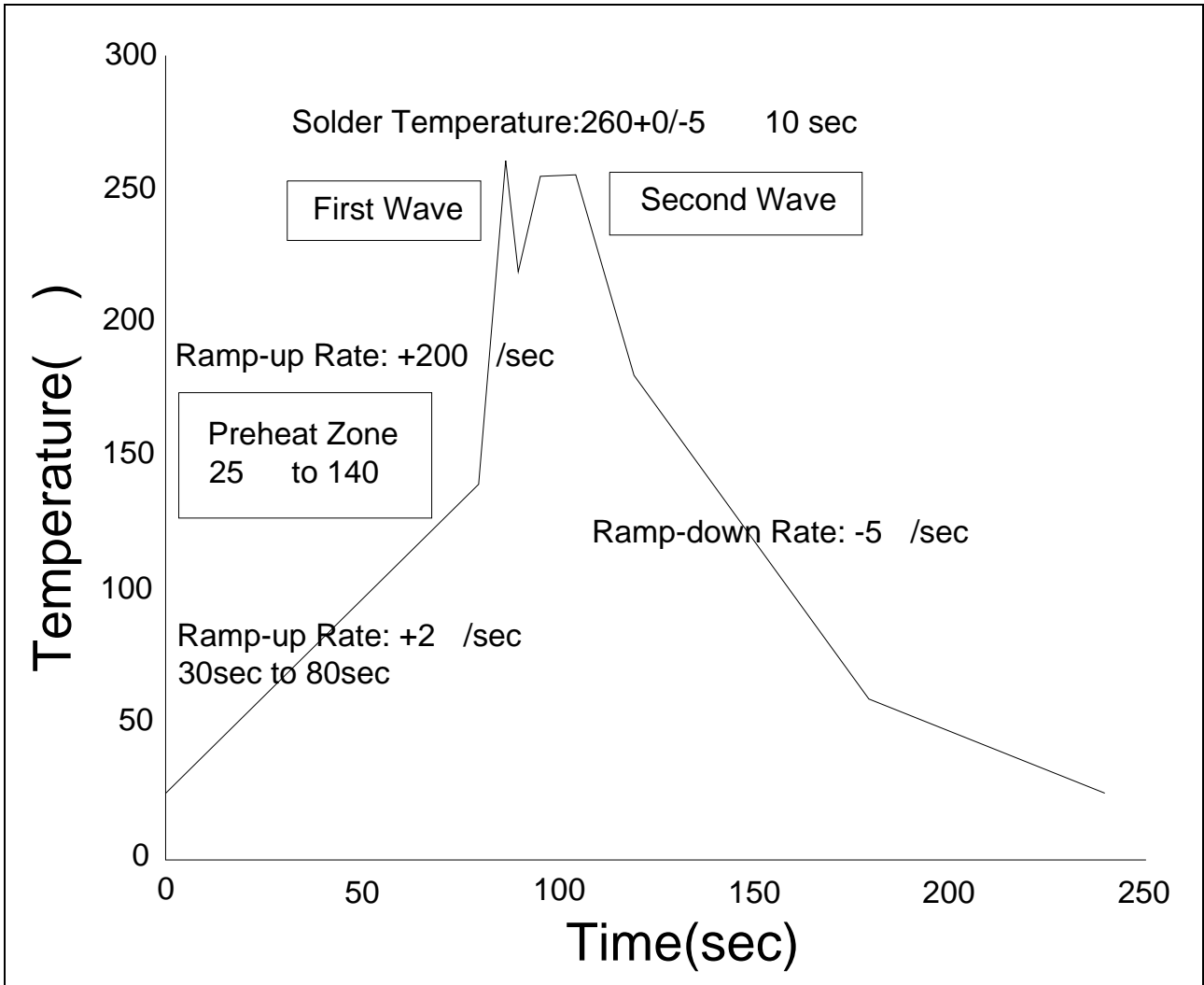
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	6.92		7.32	0.272		0.288
C	7.15		8.95	0.281		0.352
D	3.20		3.60	0.126		0.142
E	7.32		7.92	0.288		0.312
F	0.15		0.35	0.006		0.014
G	1.15		1.35	0.045		0.053
H	3.90		4.50	0.154		0.177
I	0.40		0.60	0.016		0.024
J	2.29		2.79	0.090		0.110
K	2.24		3.24	0.088		0.128

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.









Soldering Temperature	$360 \pm 5$
Soldering Time	3s max.



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Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.
2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.
3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.
4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.
5. The component has a shelf life of one year when stored under standard conditions.
6. Recommend storage Temp.: 0~40°C;  
Recommend storage humidity: <60%;  
MSL level: MSL 1

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