



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)

	Forward Current	I _F	50	mA



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(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	μA
	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_{on}	$I_F=5\text{mA}$ $I_L=\text{Max.}$ Within 1s on time	-	-	8	
	Off State Leakage Current	I_{Leak}	$I_F=0\text{mA}$, $V_L=\text{Max.}$	-	-	1	μA
Switching Characteristics	Isolation Resistance	R_{ISO}	DC500V 40~60%R.H.	10^{12}	-	-	
	Floating Capacitance	C_{IO}	$V=0$, $f=1\text{MHz}$	-	-	1.5	pF
	Turn On Time	t_{on}	$I_F=5\text{mA}$, $I_L=\text{Max.}$	-	0.65	2	ms
	Turn Off Time	t_{off}	$I_F=5\text{mA}$, $I_L=\text{Max.}$	-	0.08	0.2	ms

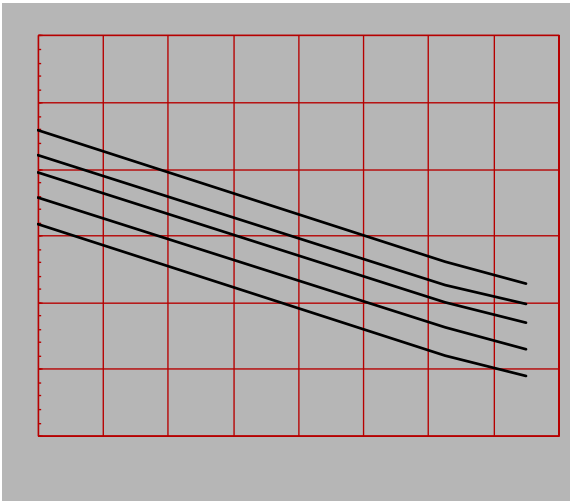


JieJie Microelectronics Co., Ltd.	J	OC	M	C	3	5	C	-D6P/S	/
	Opto Coupler		MOS	C:1NC	3:V _O : 60V	5:I _O :0.18A	I _{FT} 3mA	P:DIP6 S:SMD6	S:T3 L:T4

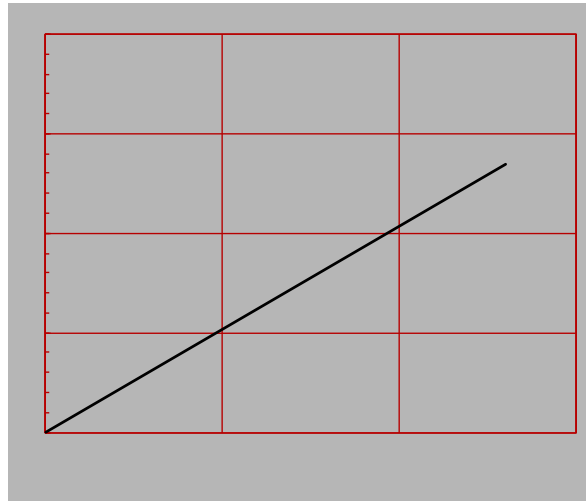
<p>JOC MC35C YWWZZX</p>	<p>LOT NO.</p>
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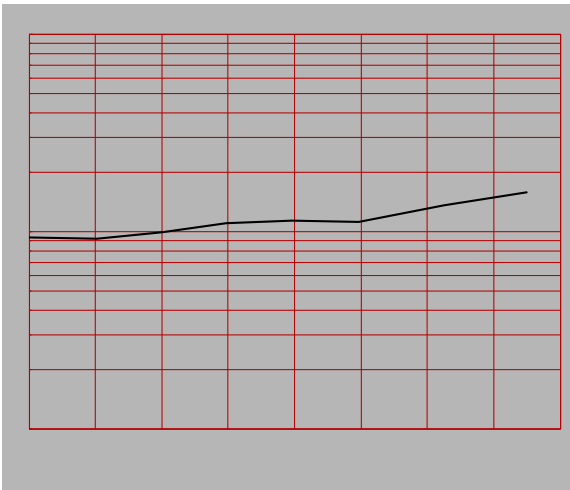
LED Dropout Voltage vs. Ambient Temperature



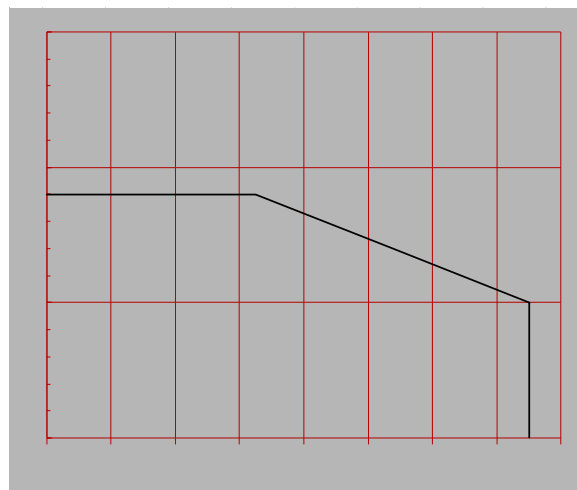
Output Current vs. Output Voltage



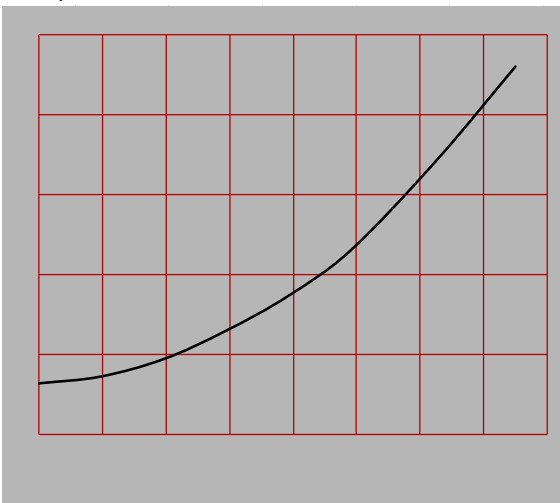
On Resistance vs. Ambient Temperature



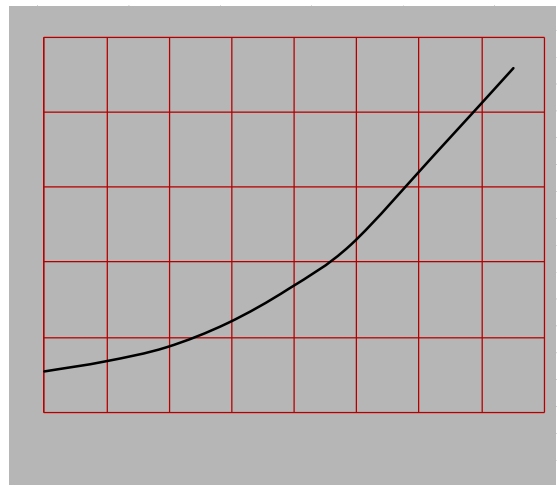
Load Current vs. Ambient Temperature



LED Operate Current vs. Ambient Temperature

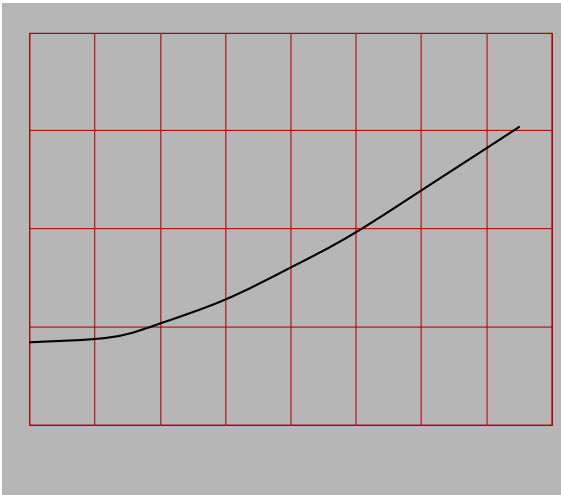


LED Turn Off Current vs. Ambient Temperature

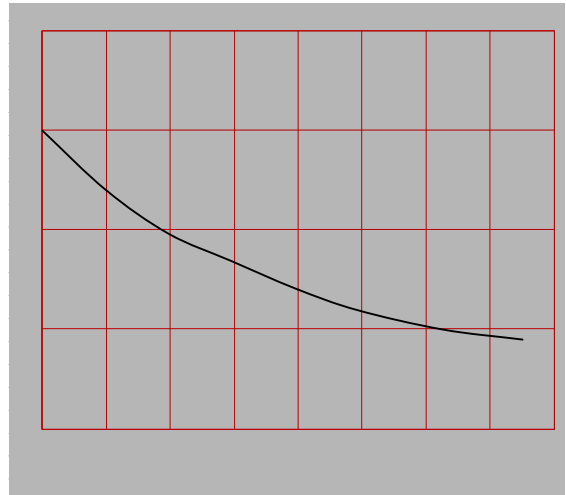




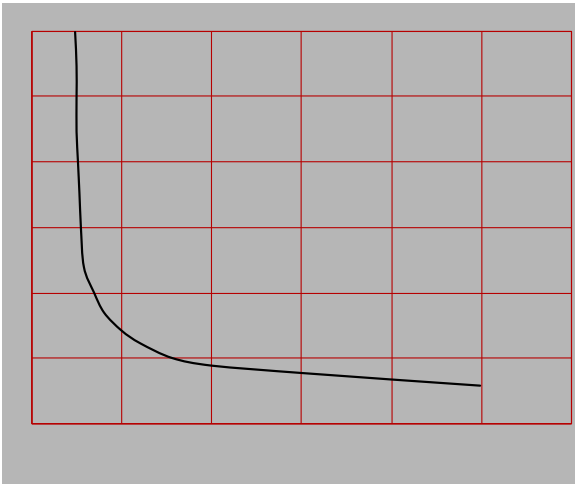
Turn On Time vs. Ambient Temperature



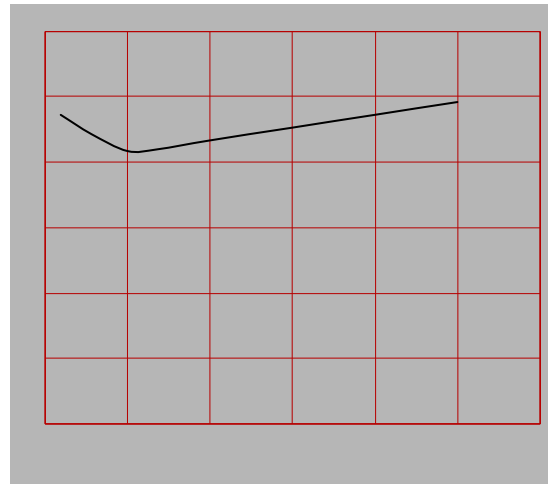
Turn Off Time vs. Ambient Temperature



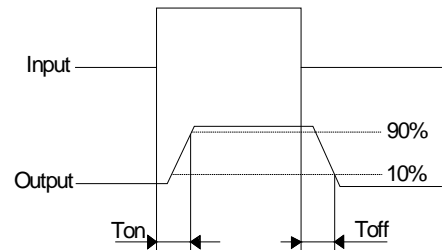
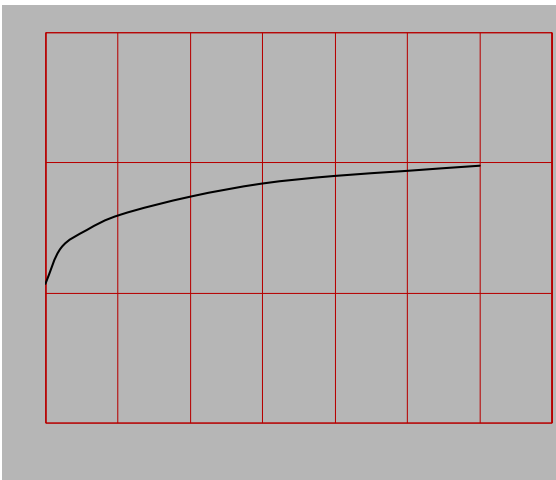
Turn On Time vs. LED Forward Current

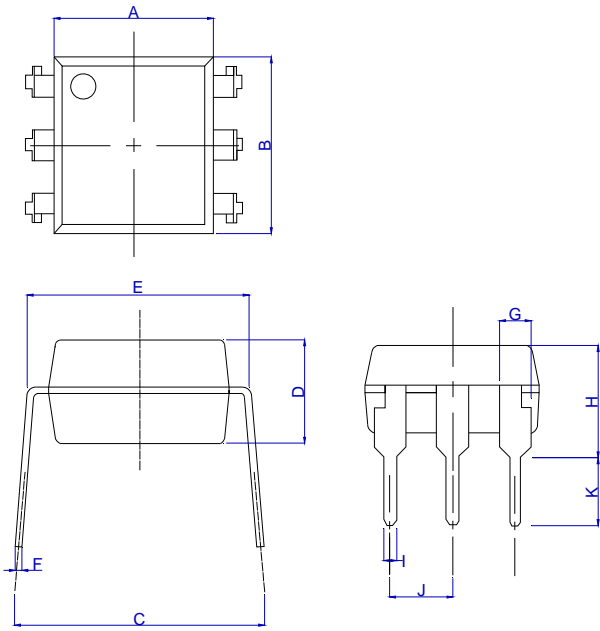


Turn Off Time vs. LED Forward Current



Off State Leakage Current vs. Load Voltage

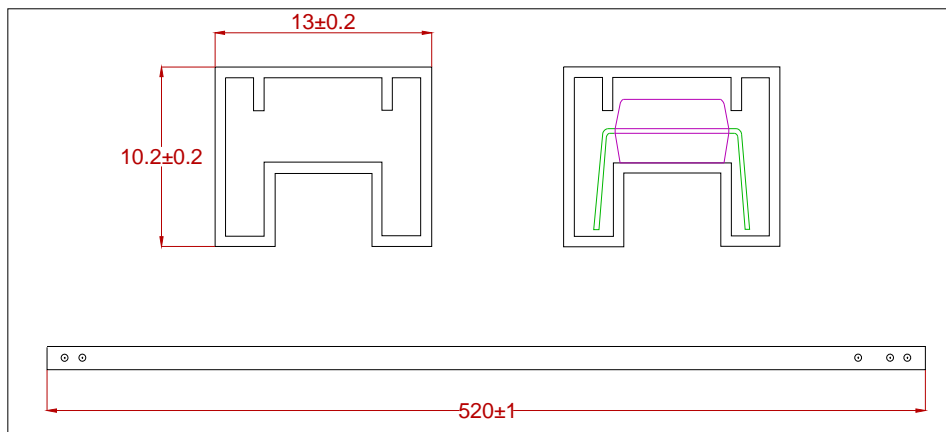
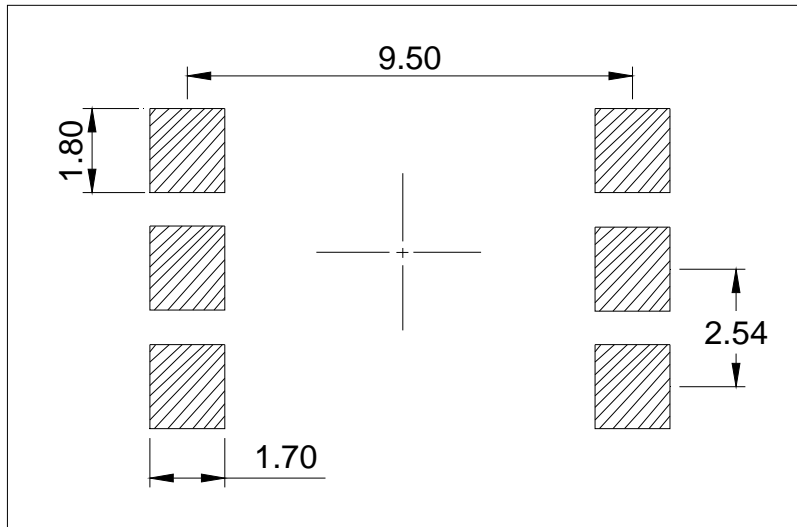


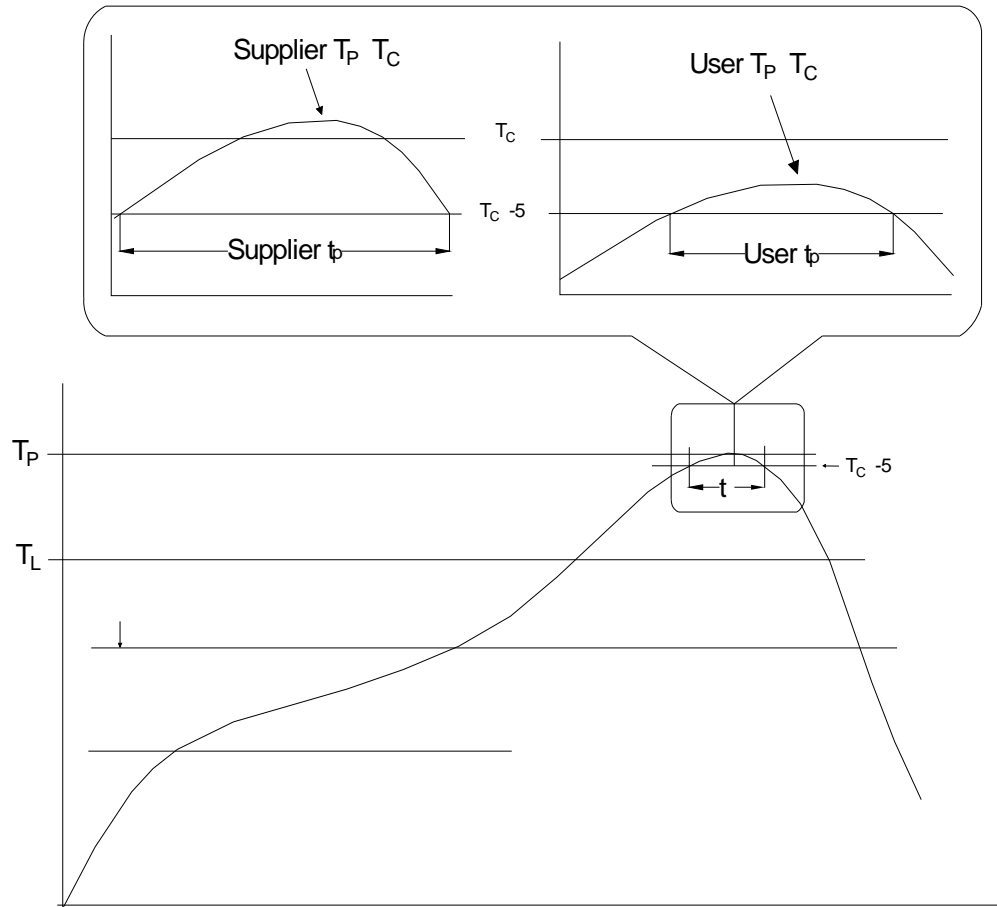


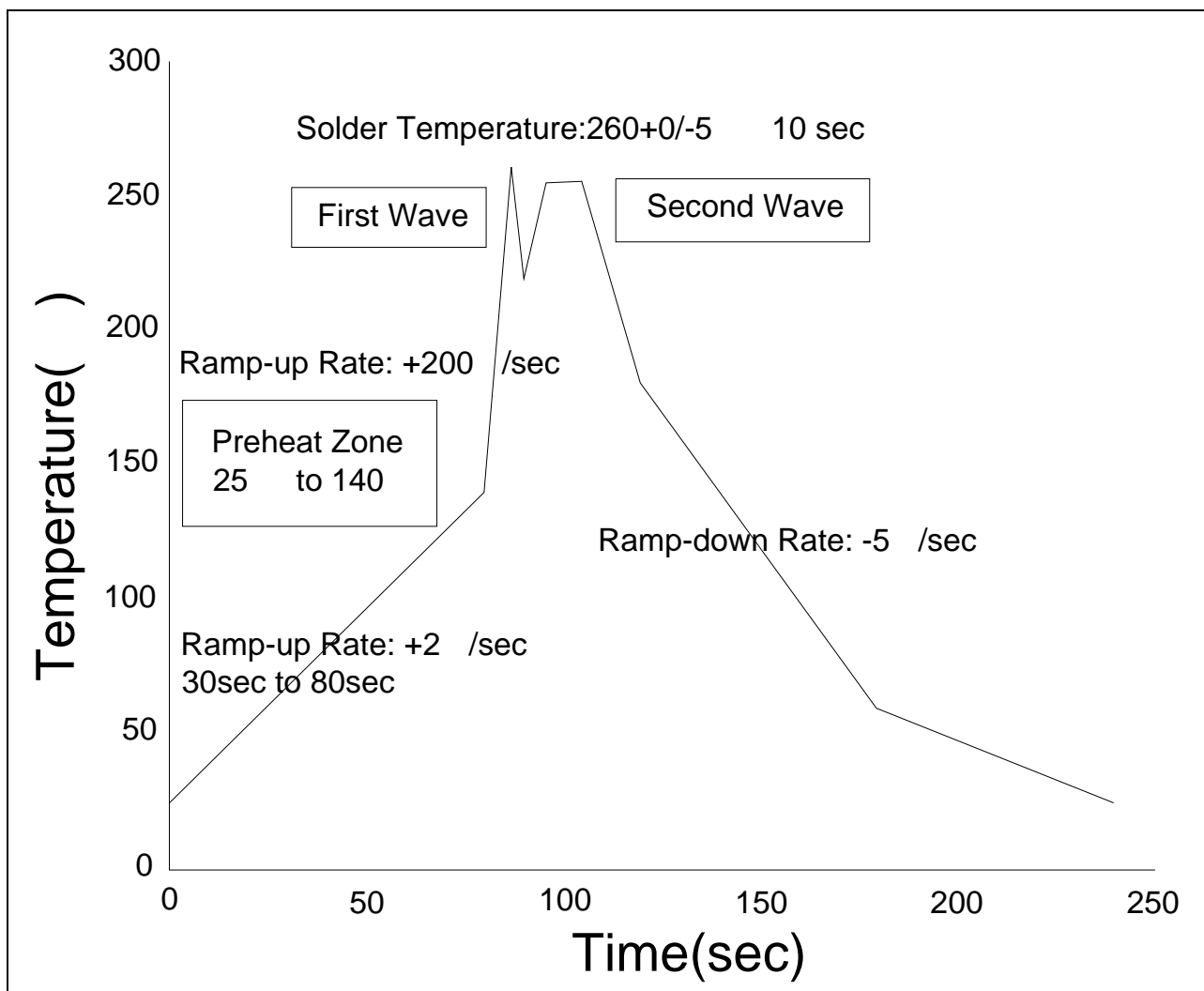
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	6.92		7.32	0.272		0.288
C	7.15		8.95	0.281		0.352
D	3.20		3.60	0.126		0.142
E	7.32		7.92	0.288		0.312
F	0.15		0.35	0.006		0.014
G	1.15		1.35	0.045		0.053
H	3.90		4.50	0.154		0.177
I	0.40		0.60	0.016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

M

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







Soldering Temperature	360± 5
Soldering Time	3s max.




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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