

ists of an
upled to a
ackage.
de array
easuring
n market,

C)

pool	Value	Unit
	50	mA

s

NOTE1:

NOTE2:

ELECTRICAL CHARACTERISTICS (Temperature=25°C)

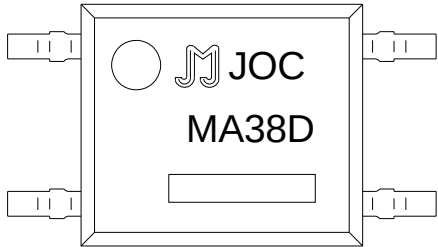
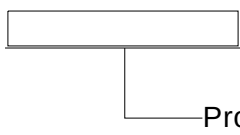
Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V_F	$I_F=10\text{mA}$	-	1.3	1.5	V
	Reverse Current	I_R	$V_R=6\text{V}$	-	-	1	μA
	Action Current	$I_{F(ON)}$	$I_O=I_{O(MAX)}$	-	-	1	mA
	Reset Current	$I_{F(OFF)}$	$I_O=I_{O(MAX)}$	0.4	0.8	-	mA
Output	On Resistance	R_{on}	$I_F=5\text{mA}$ $I_O=\text{Max.}$ Within 1s on time	-	0.2	0.4	Ω
	Off State Leakage Current	I_{Leak}	$I_F=0\text{mA}$, $V_O=\text{Max.}$	-	-	1	μA
	Output Capacitance	C_{OFF}	$V_{OFF}=0\text{V}$, $f_o=1\text{MHz}$	10	-	1000	pF
Switching Characteristics	Isolation Resistance	R_{ISO}	DC500V 40~60%R.H.	10^{12}	-	-	Ω
	Floating Capacitance	C_{IO}	$V=0$, $f=1\text{MHz}$	-	0.8	-	pF
	Turn On Time	t_{on}	$I_F=5\text{mA}$, $I_O=\text{Max.}$	-	0.6	2	ms
	Turn Off Time	t_{off}	$I_F=5\text{mA}$, $I_O=\text{Max.}$	-	0.2	1	ms

ORDERING INFORMATION

J	OC	M	A	3	8	D	-M4	/
JieJie Microelectronics Co., Ltd.	Opto Coupler	MOS	A:1NO	3:V _O :60V	8:I _O :1.25A	I _{ET} ≤ 1mA	SOP4	None:T1 R:T2

Packing Quantity			
Option	Quantity	Quantity – Inner box	Quantity –Outer box

MARKING

	 Production Information Code
---	---

Characteristics Curves

FIG.1: LED Dropout Voltage vs. Ambient Temperature

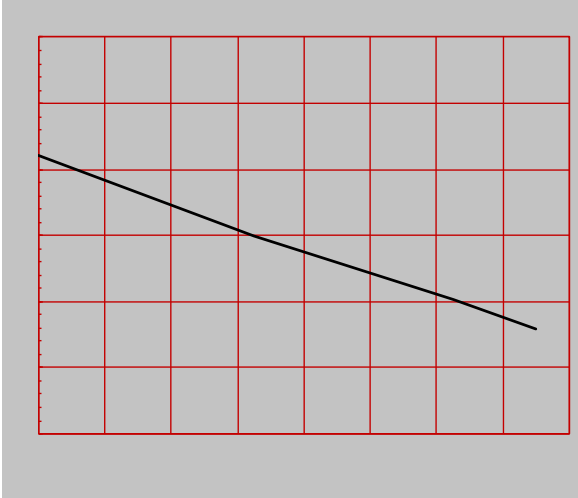


FIG.2: Output Current vs. Output Voltage

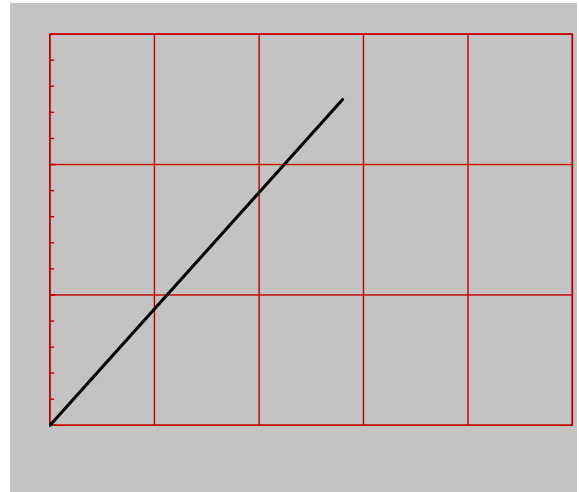


FIG.3: On Resistance vs. Ambient Temperature

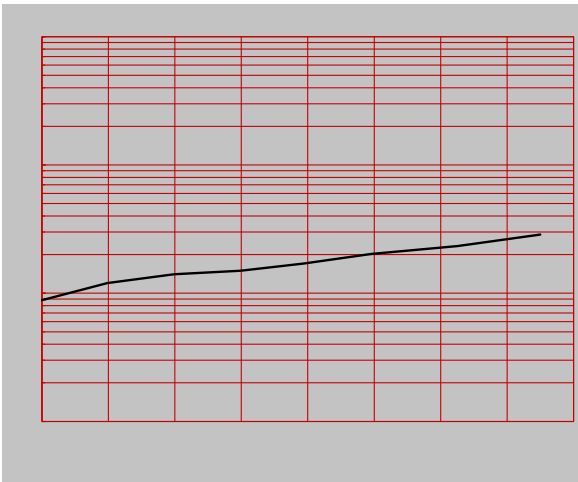


FIG.4: Load Current vs. Ambient Temperature

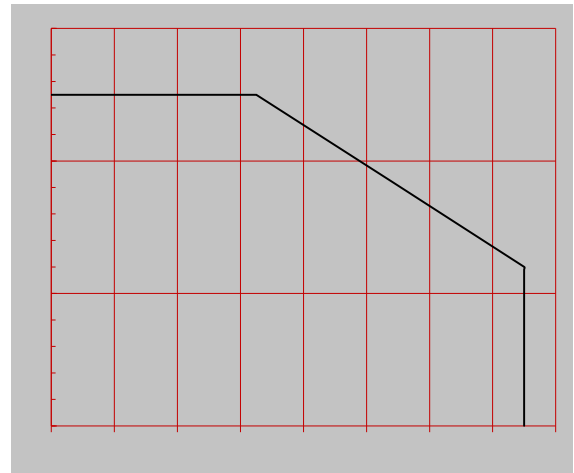


FIG.5: LED Operate Current vs. Ambient Temperature

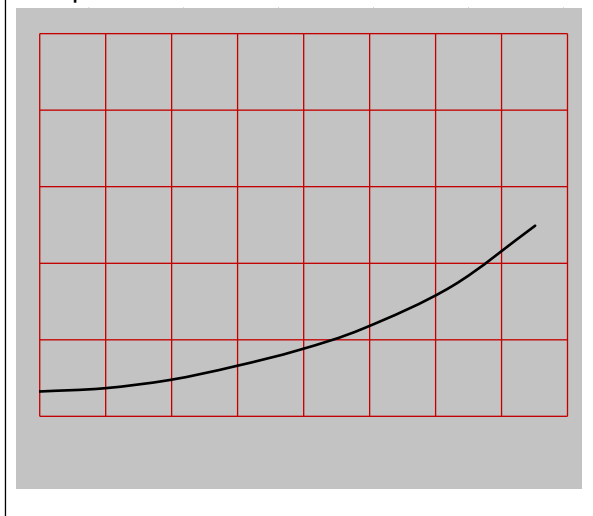
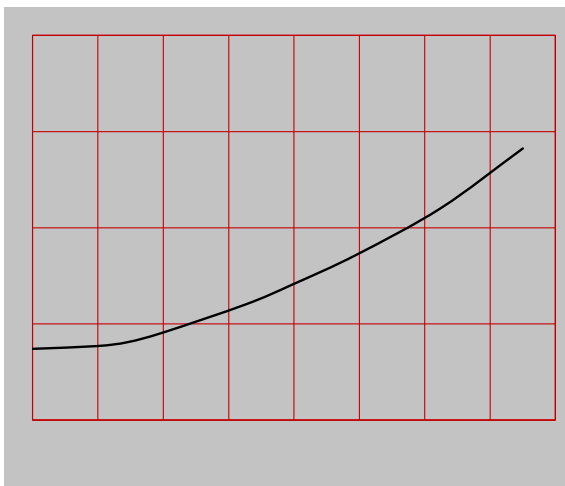
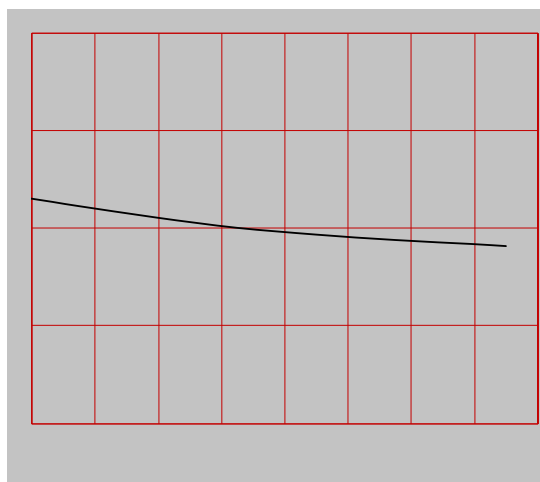
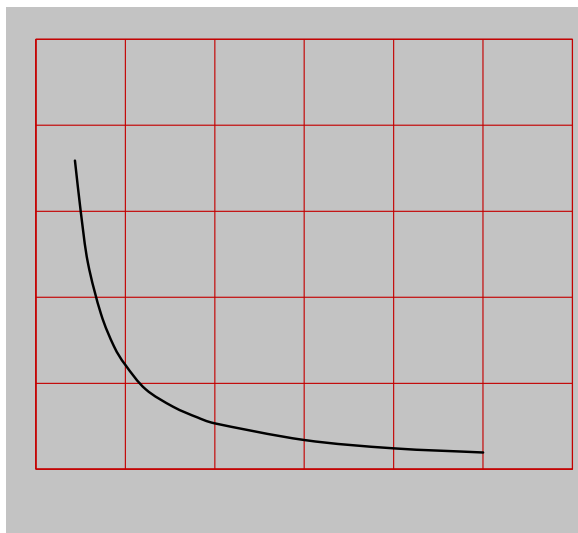
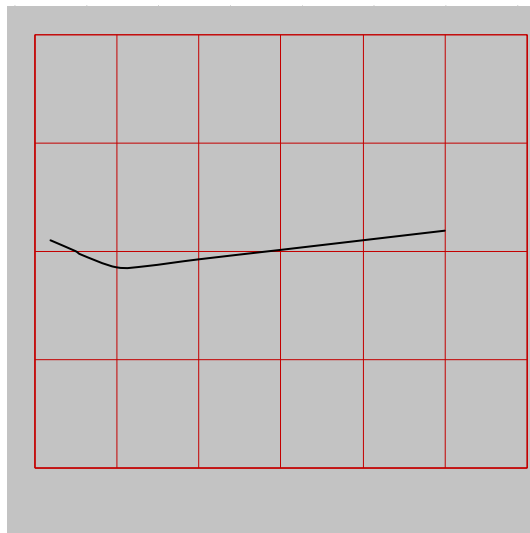
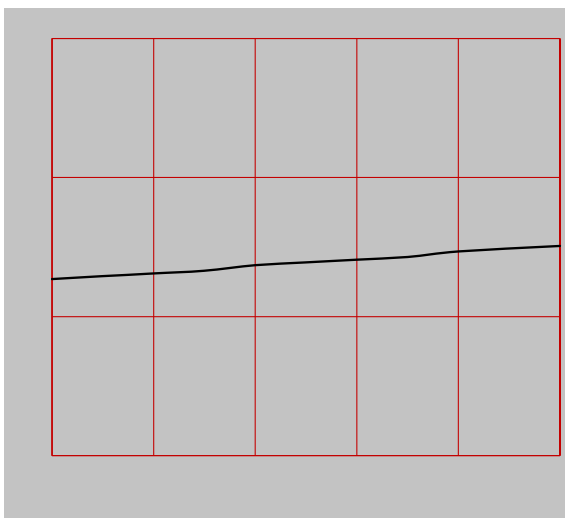
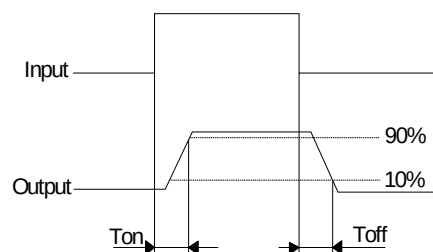
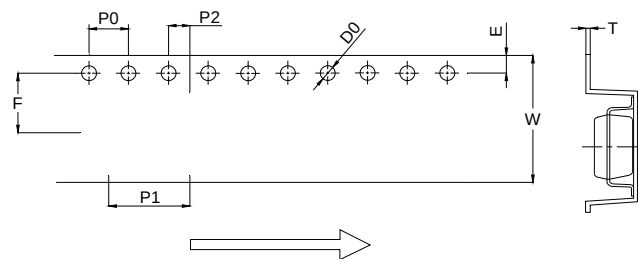


FIG.6: LED Turn Off Current vs. Ambient Temperature

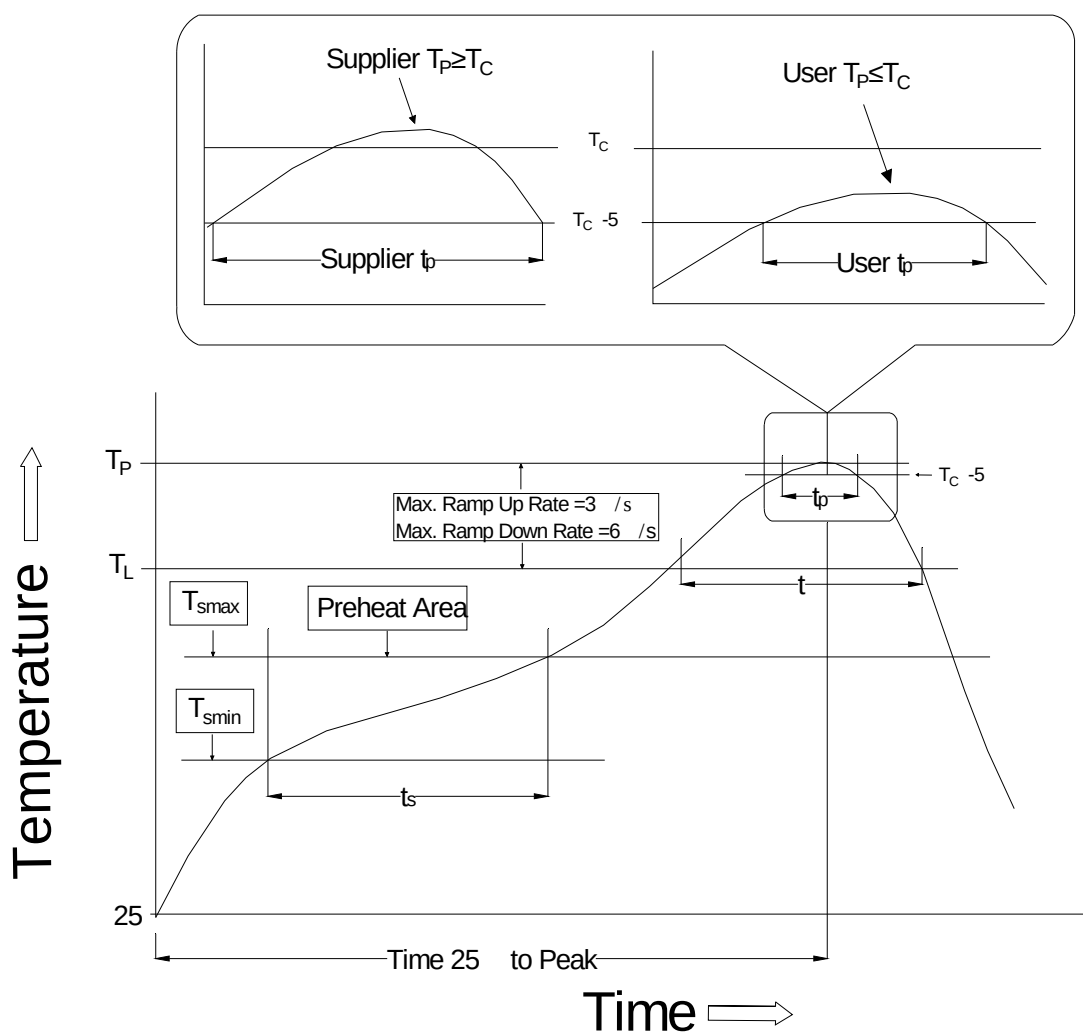
FIG.7: Turn On Time vs. Ambient Temperature**FIG.8:** Turn Off Time vs. Ambient Temperature**FIG.9:** Turn On Time vs. LED Forward Current**FIG.10:** Turn Off Time vs. LED Forward Current**FIG.11:** Off State Leakage Current vs. Load Voltage**Fig.12:** Turn on/Turn off time

CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option None



REFLOW INFORMATION



Profile Feature	Sn-Pb Assembly Profile	Pb-Free Assembly Profile
Temperature Min. (T_{smin})	100	150
Temperature Max. (T_{smax})	150	200
Time (t_s) from (T_{smin} to T_{smax})	60-120 seconds	60-120 seconds
Ramp-up Rate (t_L to T_P)	3 °C/second max.	3 °C/second max.
Liquidus Temperature (T_L)	183	217
Time (t_L) Maintained Above (T_L)	60-150 seconds	60-150 seconds
Peak Body Package Temperature	235 +0 /-5	260 +0 /-5
Time (t_P) within 5 °C of 260	10 seconds	10 seconds
Ramp-down Rate (T_P to T_L)	3-6 °C/second	3-6 °C/second
Time 25 °C to Peak Temperature	6 minutes max.	8 minutes 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