



DESCRIPTION:

The products are 8-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 DIP8 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 isolation in high-speed inspection machines, telephones equipment and computers.

MAIN FEATURES

High isolation 5000 Vrms

Operating temperature range -40°C to 110°C

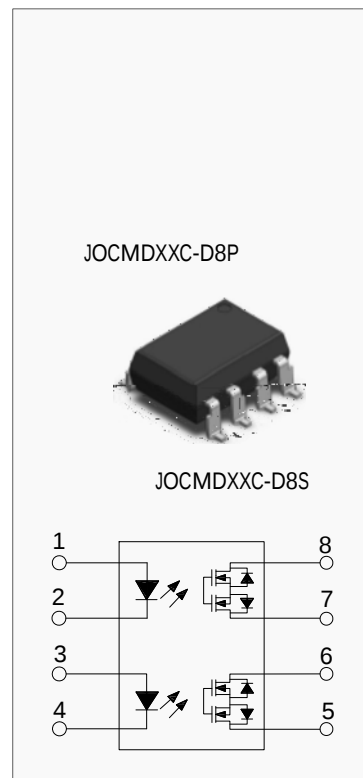
REACH & RoHS compliance

HBM: H3A; MM: M4; CDM: C3

CQC approved

VDE approved

UL approved



ABSOLUTE MAXIMUM RATINGS (Temperature=25°C)

Parameter			Symbol	Value	Unit
Input	Forward Current		I _F	50	mA
	Peak Forward Current		I _{FP}	1 ^ŷ	A
	Reverse Voltage		V _R	6	V
	Input Power Dissipation		P _D	75	mW
Output	Load Voltage	JOCMD35C	V _L	60	V
		JOCMD74C		400	
	Continuous load current	JOCMD35C	I _L	0.18	A
		JOCMD74C		0.1	
	Output Power Dissipation		P _O	800	mW
Total Power Dissipation			P _{tot}	875	mW
Isolation Voltage			V _{iso}	5000 ^ŷ	Vrms
Operating Temperature			T _{opr}	-40~110	Ń
Junction Temperature			T _j	125	Ń
Storage Temperature			T _{stg}	-40~125	Ń

Soldering Temperature	T _{sol}	260	Ń
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NOTE1 : 100μs pulse, 100Hz frequency

NOTE2 : AC for 1minute, R.H.=40~60%

ELECTRICAL CHARACTERISTICS (Temperature=25°C)

Parameter	Symbol	Condition	Min.	Typm	Max	Unit
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Forward Voltage F I_F=I_m

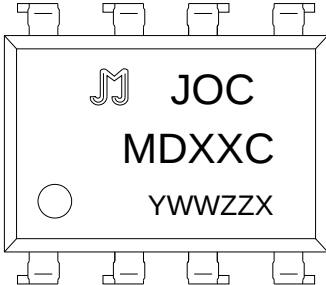
Input

ORDERING INFORMATION

J	OC	M	D	3	5	C	-D8P/S	/
JieJie Microelectronics Co., Ltd.	Opto Coupler	MOS	D:2NC	3:V _O :60V 7:V _O :400V	5:I _O :0.18A 4:I _O :0.1A	C:I _{FT} Ū 3mA	P:DIP8 S:SMD8	S:T3 L:T4

Packing Quantity	
Option	Quantity
DIP	50 Units/Tube
SMD	1200 Units/Reel

MARKING

	<u>YWWZZX</u> LOT NO.
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Characteristics Curves

FIG.1: LED Dropout Voltage vs. Ambient Temperature

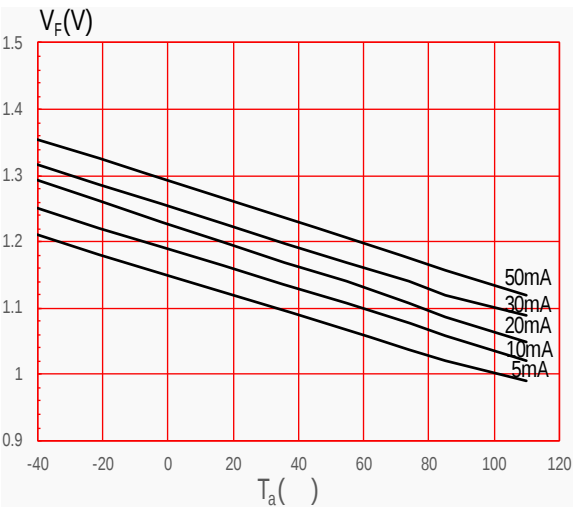


FIG.3: On Resistance vs. Ambient Temperature

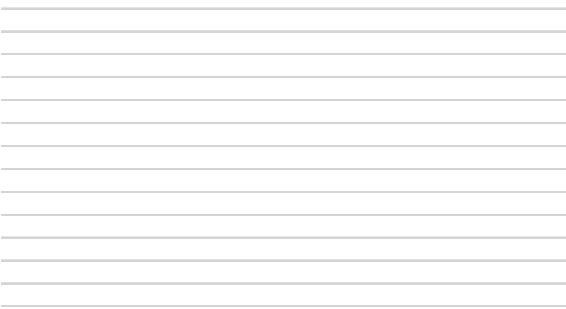


FIG.2: Output Current vs. Output Voltage

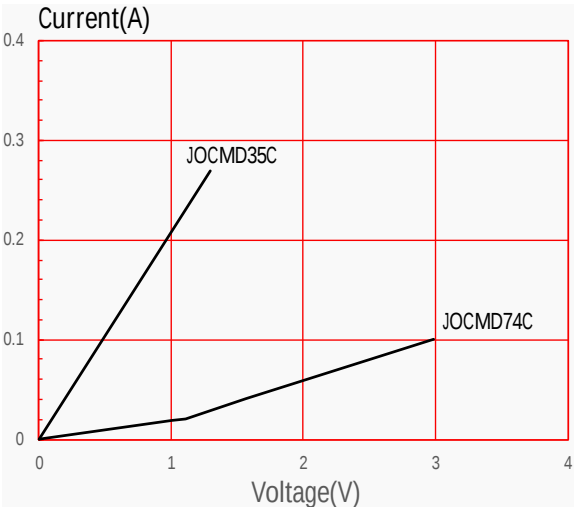


FIG.4: Load Current vs. Ambient Temperature

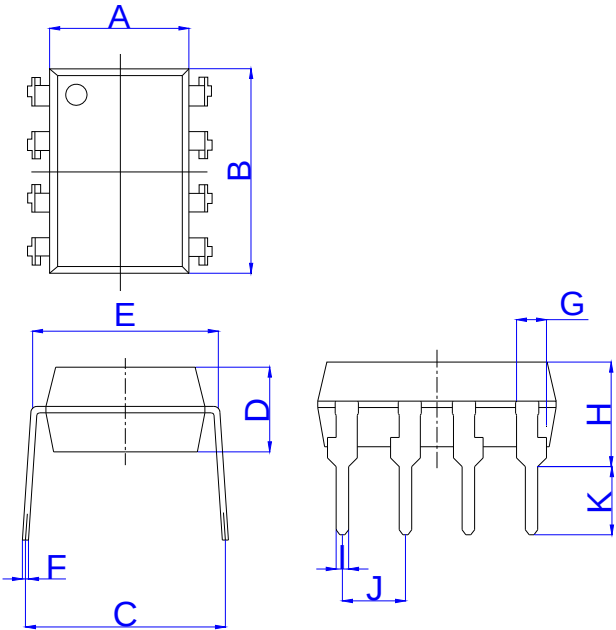
FIG.7: Turn On Time vs. Ambient Temperature



FIG.8: Turn Off Time vs. Ambient Temperature

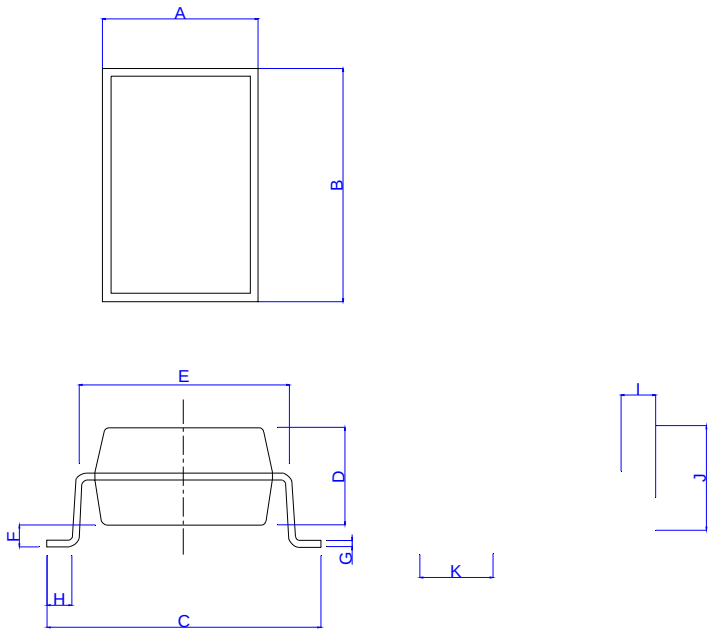
Package Dimension (Unit: mm)

Standard DIP Type:



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	9.40		9.80	0.370		0.386
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	0.90		1.50	0.035		0.059
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

Option SMD Type:

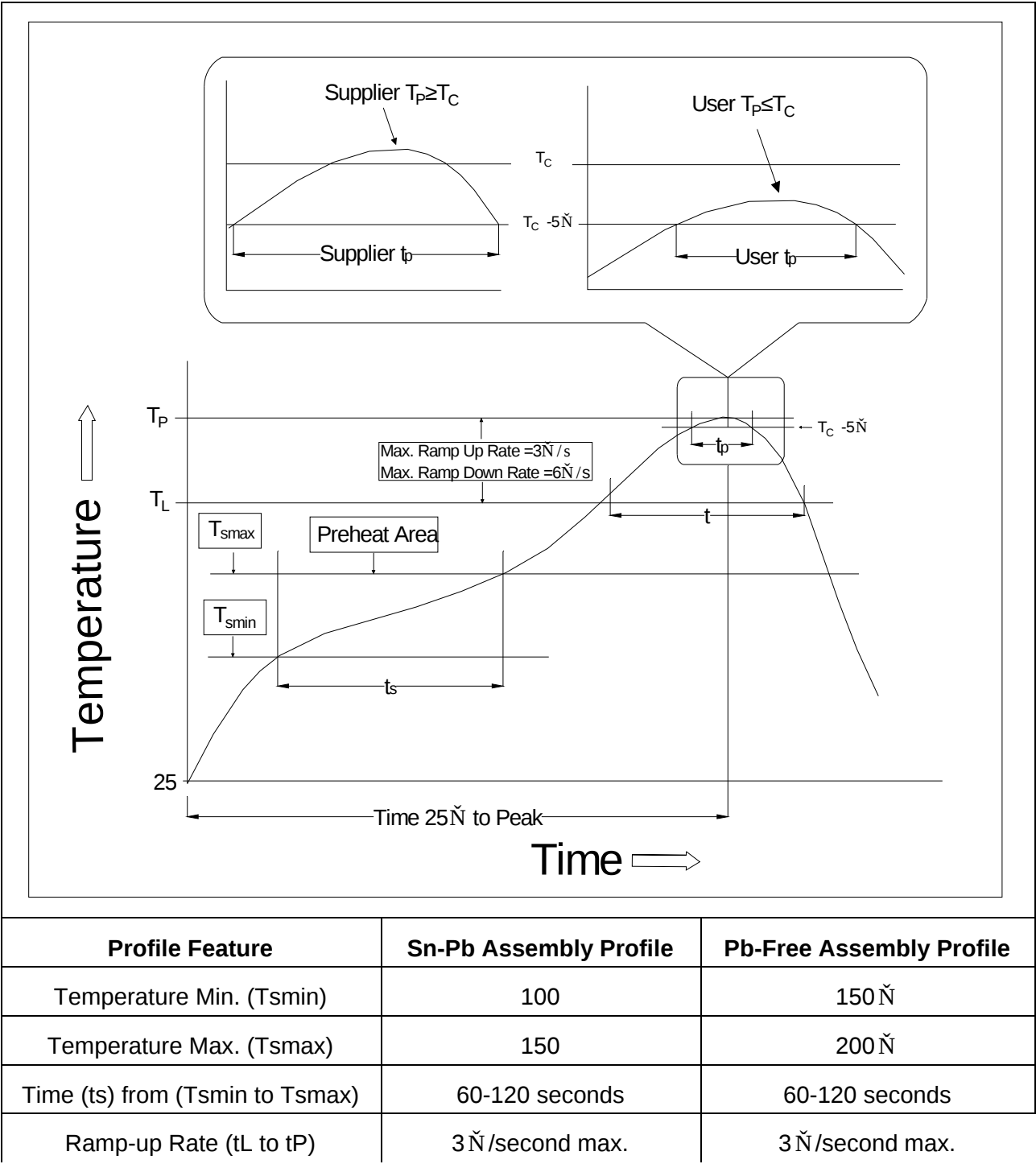


Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.20		6.60	0.244		0.260
B	9.40		9.80	0.370		0.386
C	9.50		10.50	0.374		0.413
D	3.20		3.60	0.126		0.142
E	7.32		7.92	0.288		0.312
F						
G						
H						
I	0.90		1.50	0.035		0.059
J	3.30		3.90	0.130		0.154
K						

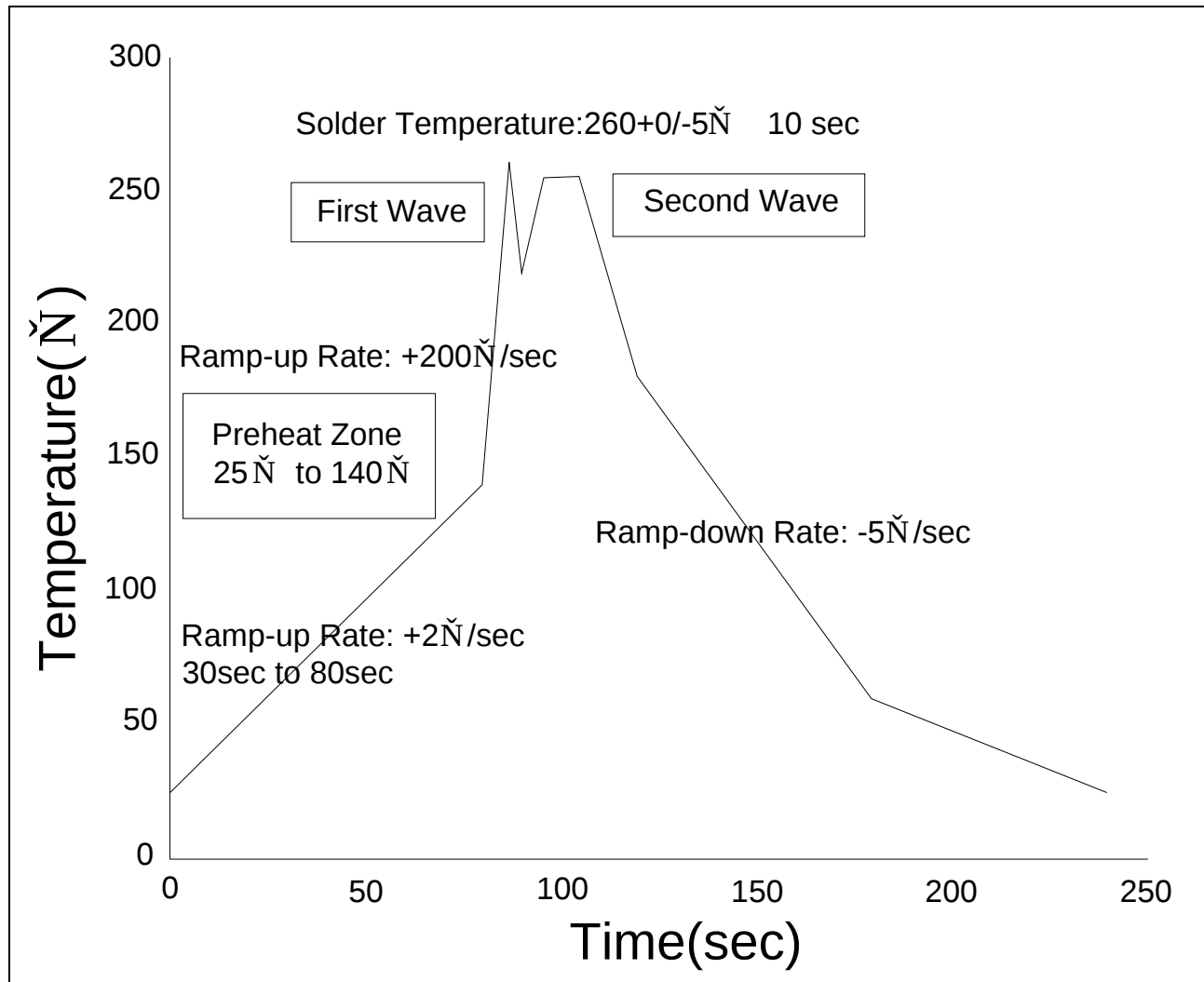
RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)



REFLOW INFORMATION



WAVE SOLDERING



HAND SOLDERING BY SOLDERING IRON

Soldering Temperature	360 ± 5 °C
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