



JOCMEXXC-D8P/S Series

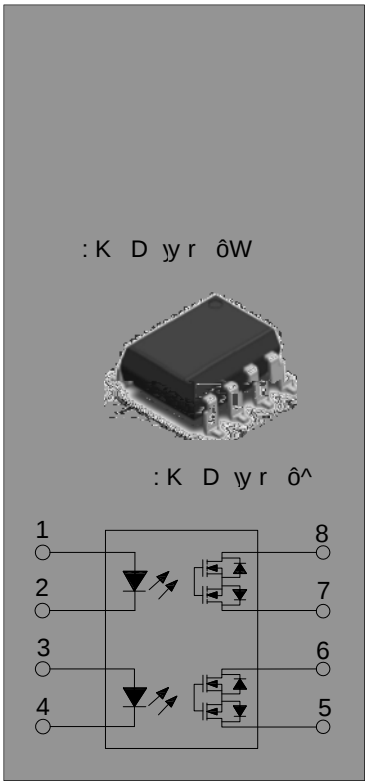
Rev.A.1.0

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 ⁷	A
	Reverse Voltage	V_R	6	V
	Input Power Dissipation	P_D	75	mW
Output	Load Voltage	JOCME35C	60	V
		JOCME74C	400	
	Continuous load current	JOCME35C	0.18	A
		JOCME74C	0.1	
	Output Power Dissipation	P_O	800	mW
Total Power Dissipation		P_{tot}	875	mW
Isolation Voltage		V_{iso}	5000 ⁸	Vrms
Operating Temperature		T_{opr}	-40~110	
Junction Temperature		T_j	125	
Storage Temperature		T_{stg}	-40~125	

Soldering Temperature	T_{sol}	260	
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ELECTRICAL CHARACTERISTICS (Temperature=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
	Forward Voltage	V_F	$I_F=10\text{mA}$	-	1.2	1.5	V sol

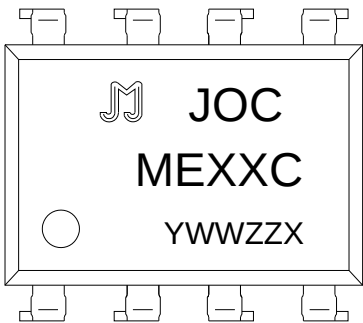
Input

ORDERING INFORMATION

J	OC	M	E	3	5	C	-D8P/S	/
JieJie Microelectronics Co., Ltd.	Opto Coupler	MOS	E:1NO&1NC	3:V _O 60V 7:V _O 400V	5:I _O :0.18A 4:I _O :0.1A	C:I _{FT} 0.3mA	P:DIP8 S:SMD8	S:T3 L:T4

Packing Quantity	
Option	Quantity
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MARKING

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

FIG.1: LED Dropout Voltage vs. Ambient Temperature

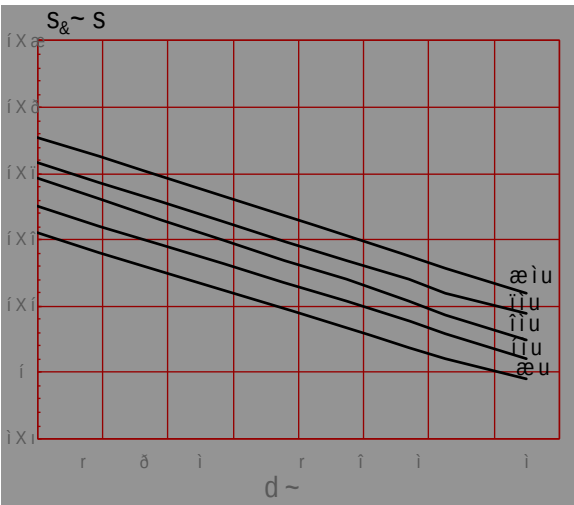


FIG.3: On Resistance vs. Ambient Temperature

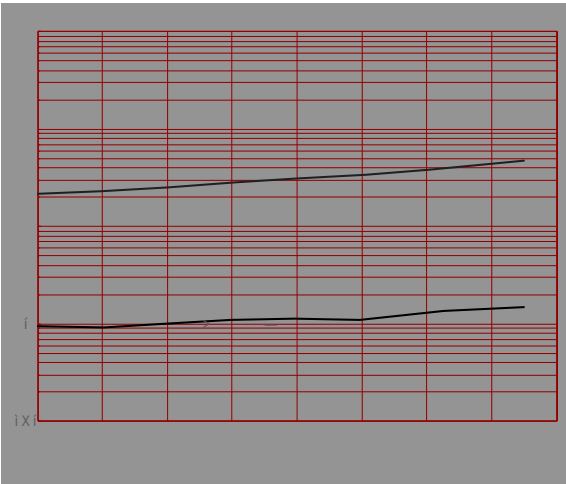


FIG.2: Output Current vs. Output Voltage

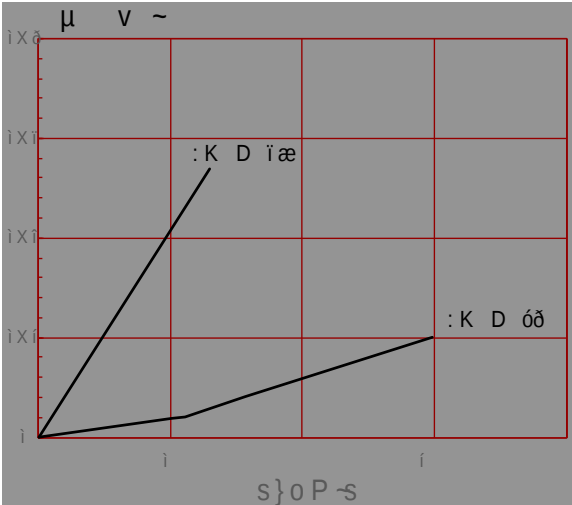


FIG.4: Load Current vs. Ambient Temperature

FIG.7: Turn On Time vs. Ambient Temperature

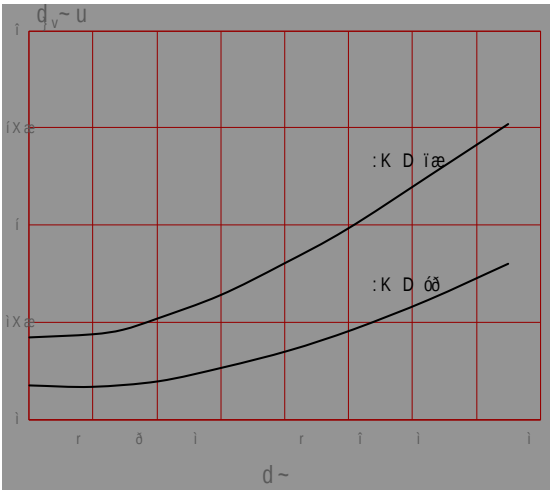
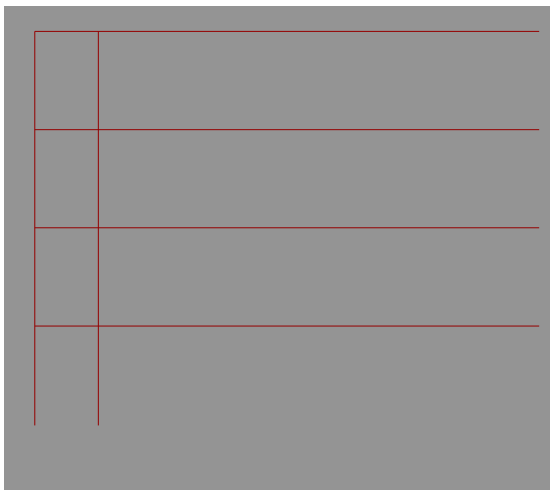


FIG.8: Turn Off Time vs. Ambient Temperature

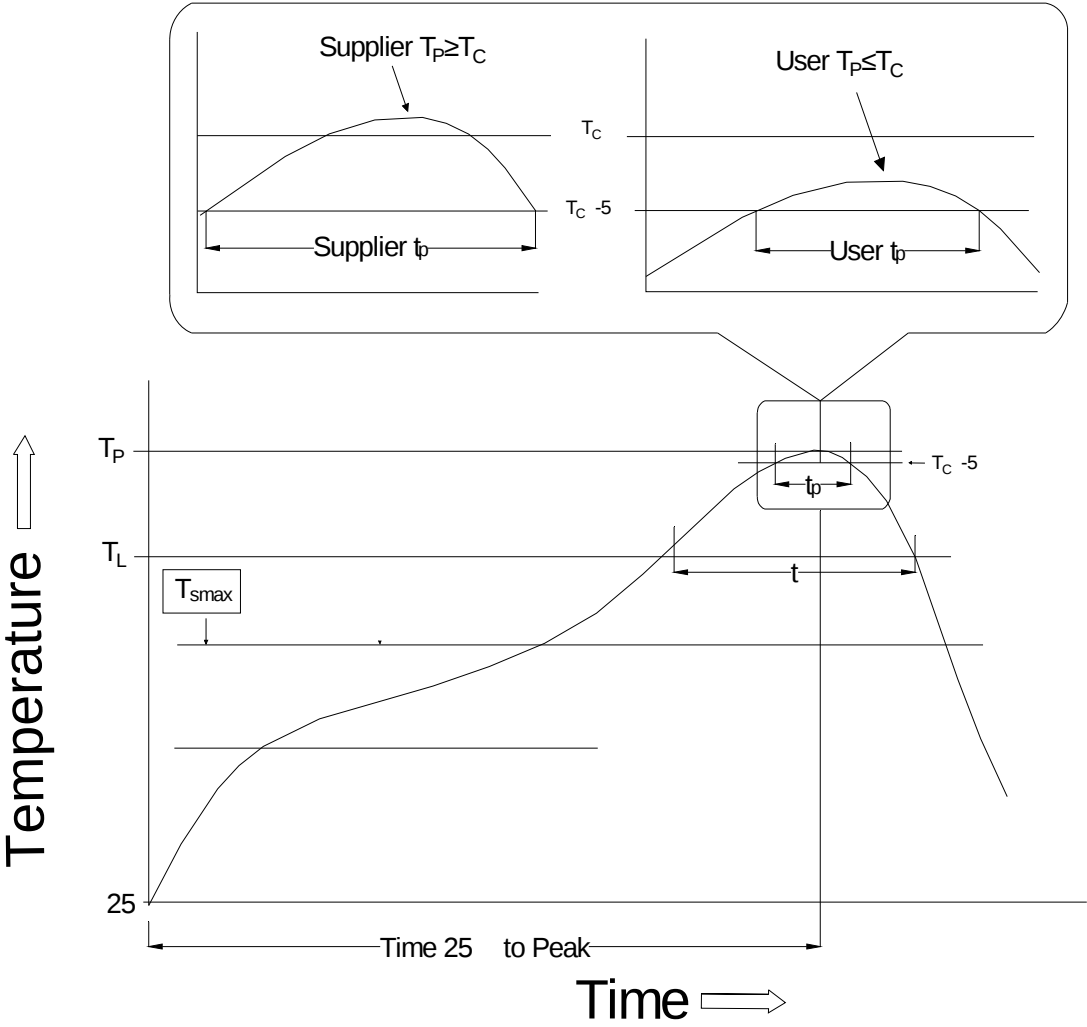


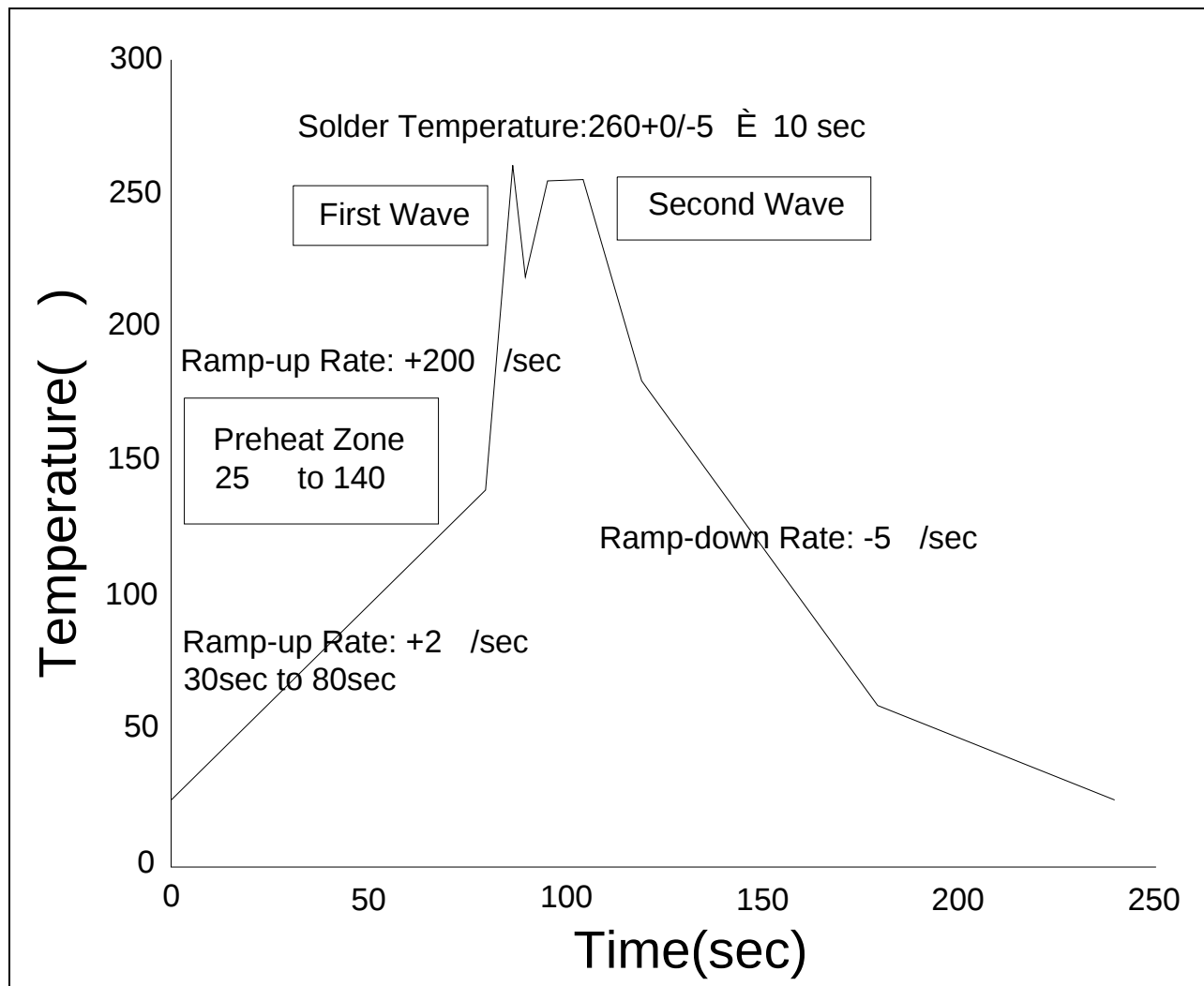


Package Dimension (Unit: mm)



REFLOW INFORMATION



WAVE SOLDERING**HAND SOLDERING BY SOLDERING IRON**

Soldering Temperature	360 f5
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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