



## JOCT372X-D6P/S Series

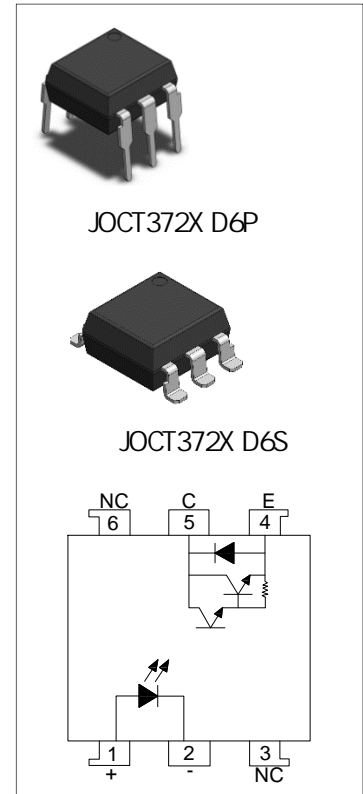
Rev.A.1.0

### DESCRIPTION:

The products are Darlington transistor opto-couplers in a plastic DIP6 package with different lead forming options. The device combines an AlGaAs infrared emitting diodes the emitter which is optically coupled to a silicon planar phototransistor detector. With the robust coplanar double mold structure, the device provides the most stable isolation feature. The products are widely used in switch mode power supplies, programmable controllers, household appliances and office equipment.

### MAIN FEATURES

- High isolation 5000 VRMS
- Operating temperature range -40°C to 110°C
- RoHS & REACH Compliance
- HBM: H3A ; MM: M4; CDM: C3
- CQC approved
- VDE approved
- UL approved

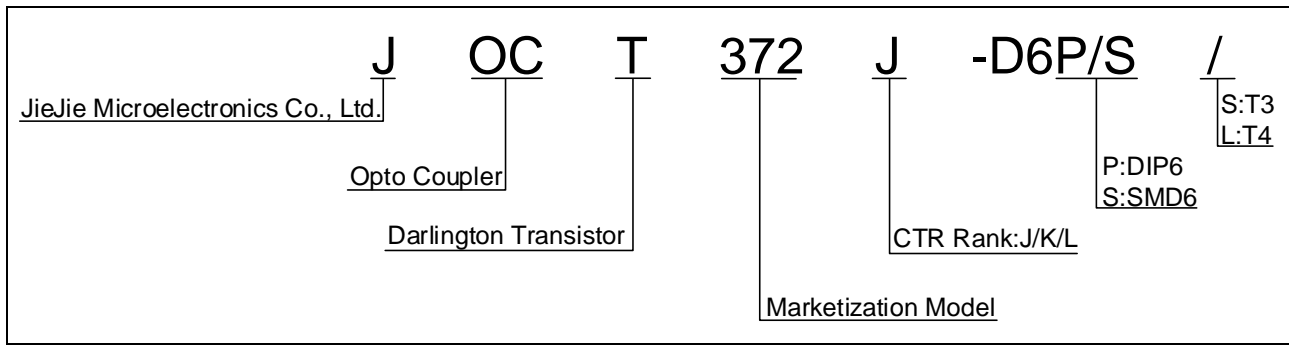


### ABSOLUTE MAXIMUM RATINGS (Temperature=25°C)

Parameter		Symbol	Value	Unit
Input	Forward Current	$I_F$	50	mA
	Peak Forward Current	$I_{FP}$	1	A
	Reverse Voltage	$V_R$	6	V
	Power Dissipation	$P_D$	75	mW
Output	Collector-emitter Voltage	$V_{CEO}$	300	V
	Emitter-collector Voltage	$V_{ECO}$	0.3	V
	Collector Current	$I_C$	150	mA
	Power Dissipation	$P_C$	150	mW
Total Power Dissipation		$P_{tot}$	2	mW
Isolation Voltage		$V_{iso}$	5000	Vrms
Operating Temperature		$T_{opr}$	-40~+110	
Junction Temperature		$T_j$	125	

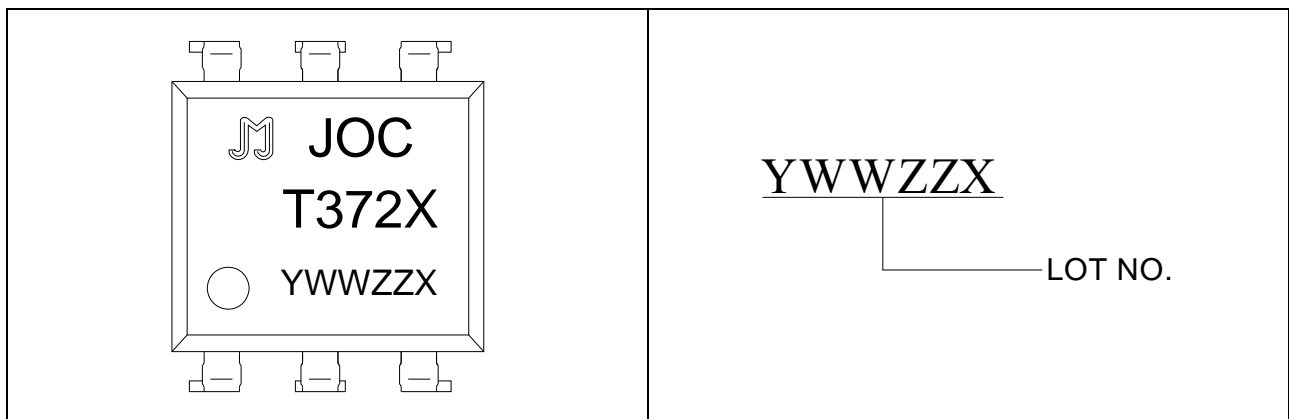


ORDERING INFORMATION



Packing Quantity	
Option	Quantity
DIP	60 Units/Tube
SMD	1200 Units/Reel

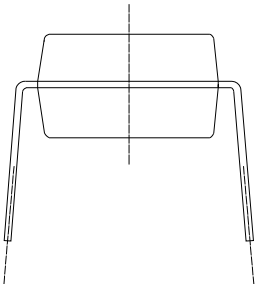
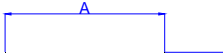
MARKING





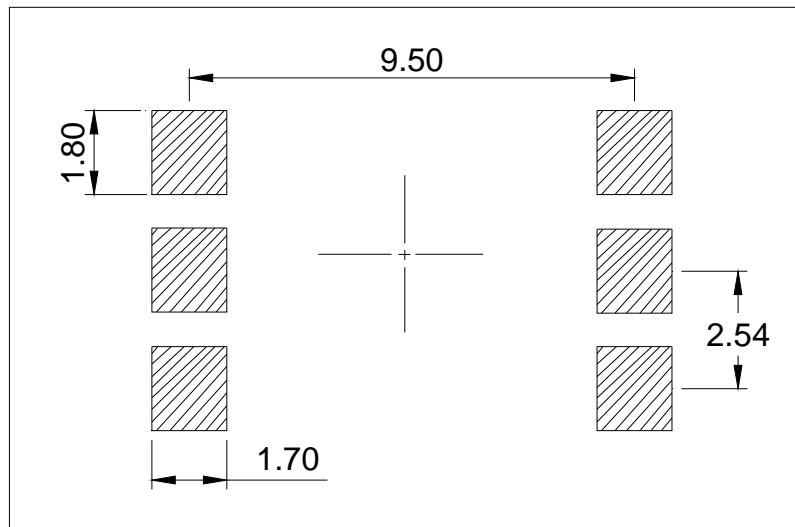
Package Dimension (Unit: mm)

Standard DIP Type:



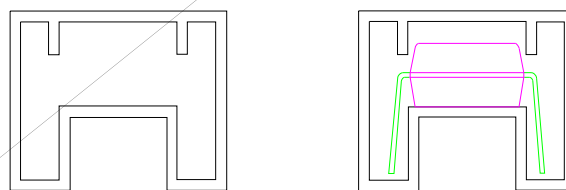
RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

Option SMD



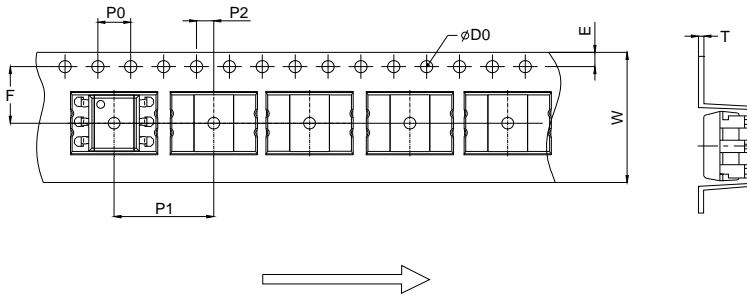
TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Standard DIP



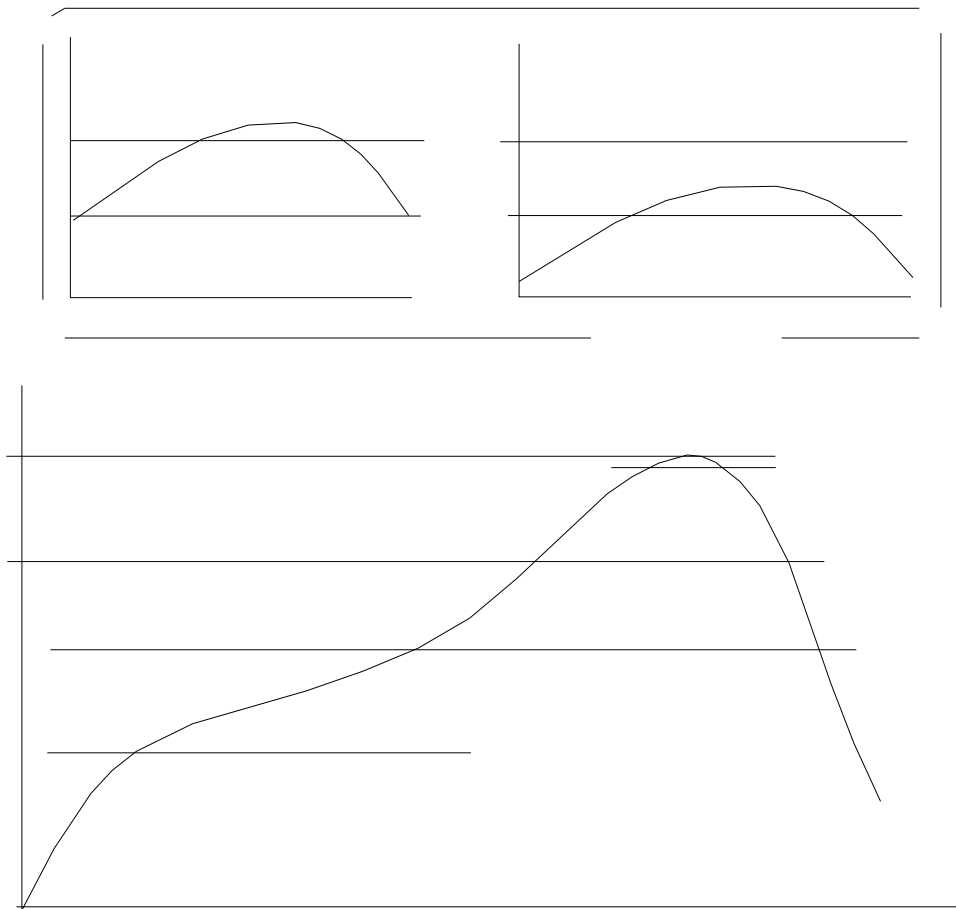
CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Option S/L

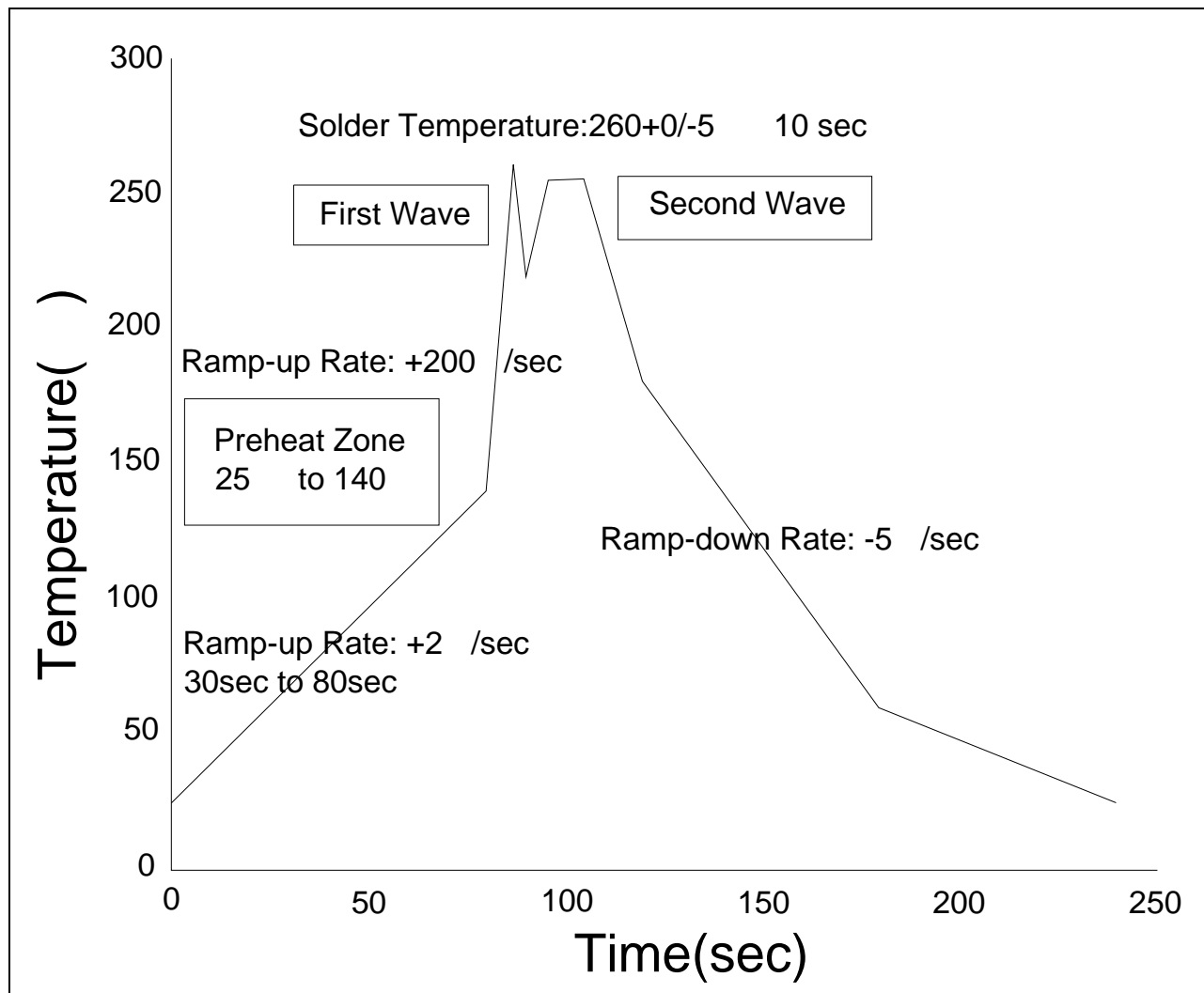


Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0		1.50	1.60	0.059	0.063	
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	11.90	12.00	12.10	0.469	0.472	0.476
P2	1.90	2.00	2.10	0.075	0.079	0.083
E	1.65	1.75	1.85	0.065	0.069	0.073
F	7.40	7.50	7.60	0.291	0.295	0.299
T	0.35	0.40	0.45	0.014	0.016	0.018
W	15.70	16.00	16.30	0.618	0.630	0.642

REFLOW INFORMATION



WAVE SOLDERING



HAND SOLDERING BY SOLDERING IRON


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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