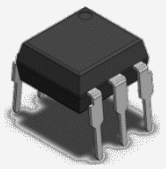
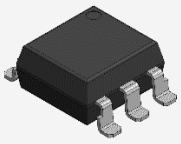
DESCRIPTION:

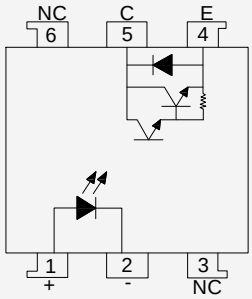
The products are Darlington transistor opto-couplers in a plastic DIP6 package with different lead forming options. The device combines an AlGaAs infrared emitting diodeas the emitter which is optically coupled to a silicon planar phototransistor detector. With the robust coplanar double mold structure, 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.



JOCT372X-D6P



JOCT372X-D6S



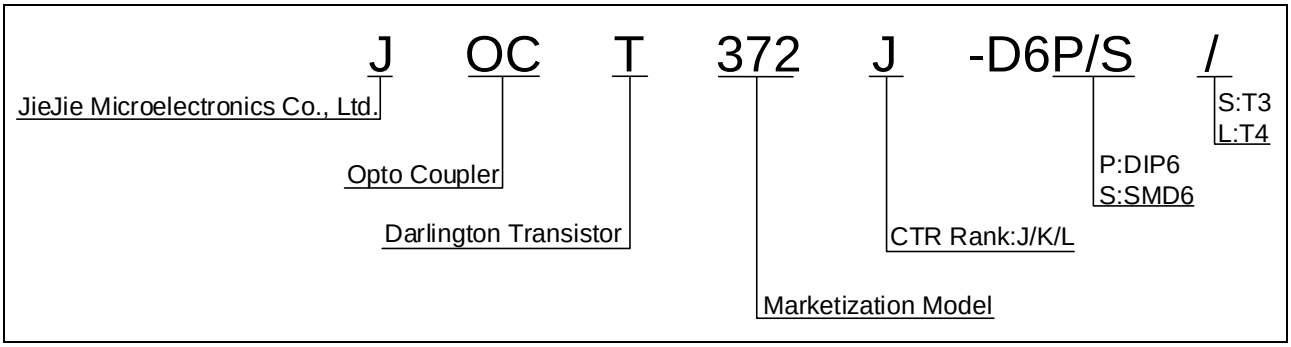
MAIN FEATURES

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)

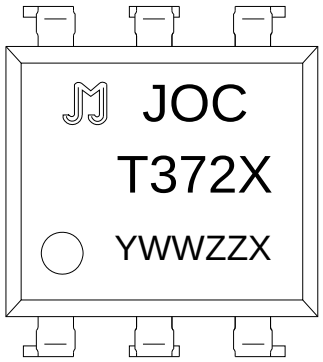
Input	Forward Current	I_F	50	mA
	Peak Forward Current	I_{FP}	1	A
	Reverse Voltage	V_R	6	V
	Power Dissipation	P_D	75	mW
Output	Collector-emitter Voltage	V_{CEO}	300	V
	Emitter-collector Voltage	V_{ECO}	0.3	V
	Collector Current	I_C	150	mA
	Power Dissipation	P_C	150	mW
Total Power Dissipation		P_{tot}	2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

ORDERING INFORMATION



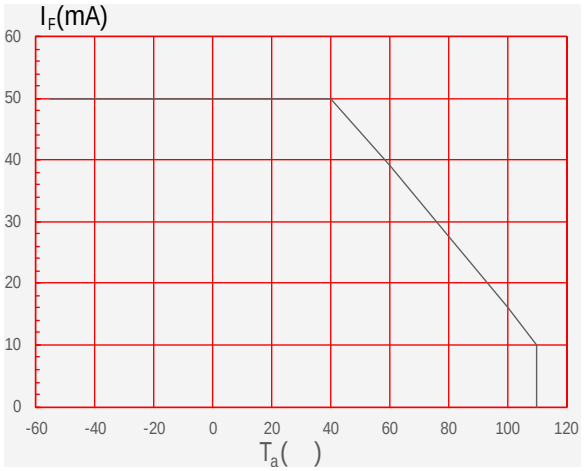
Packing Quantity	
Option	**Quantity**
DIP	60 Units/Tube
SMD	1200 Units/Reel

MARKING



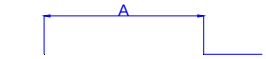
Characteristics Curves

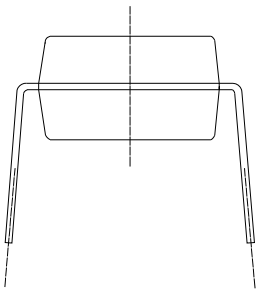
Max. Allowable LED Forward Current vs. Ambient Temperature



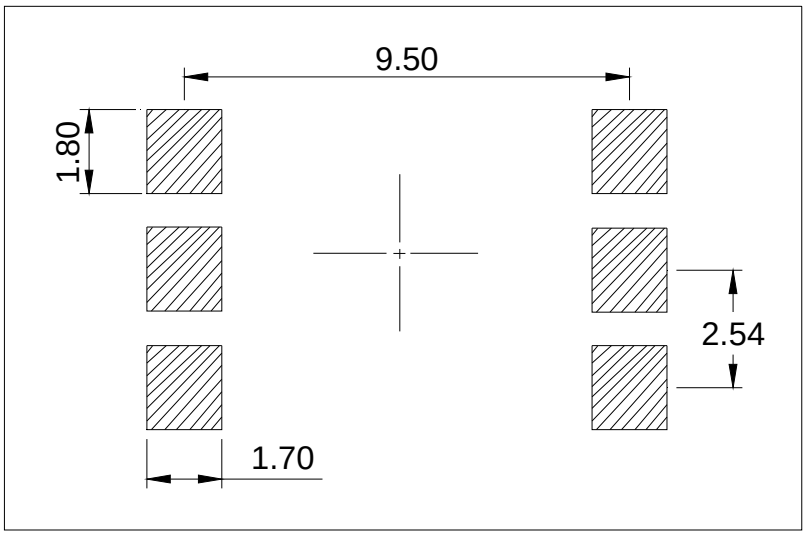
Collector Power Dissiption vs. Ambient Temperature

Package Dimension (Unit: mm)

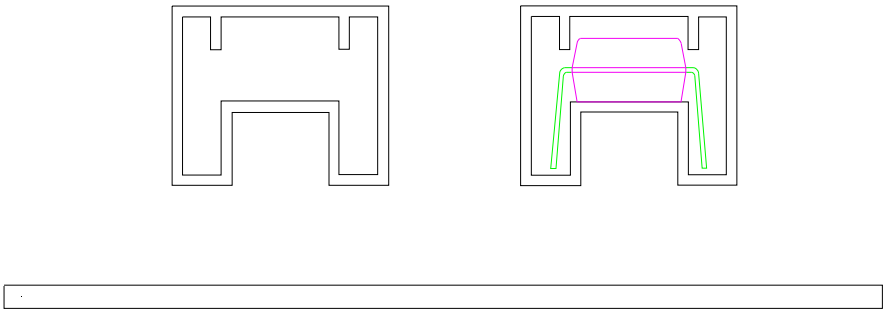




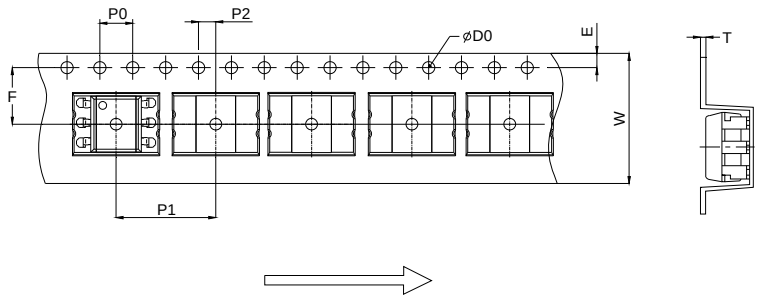
RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)



TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

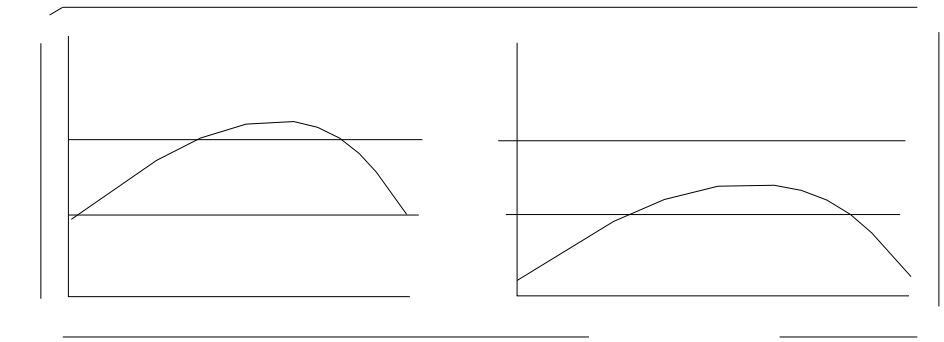


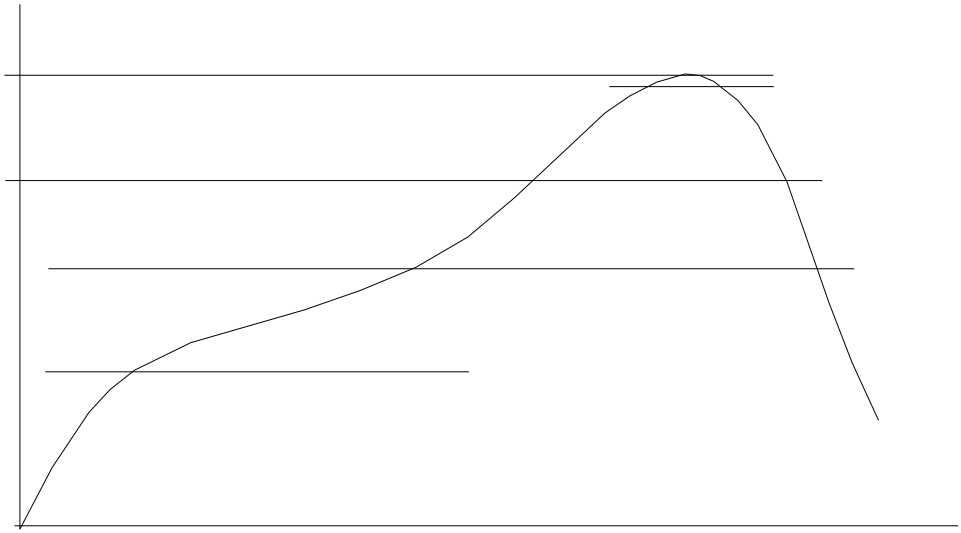
CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)



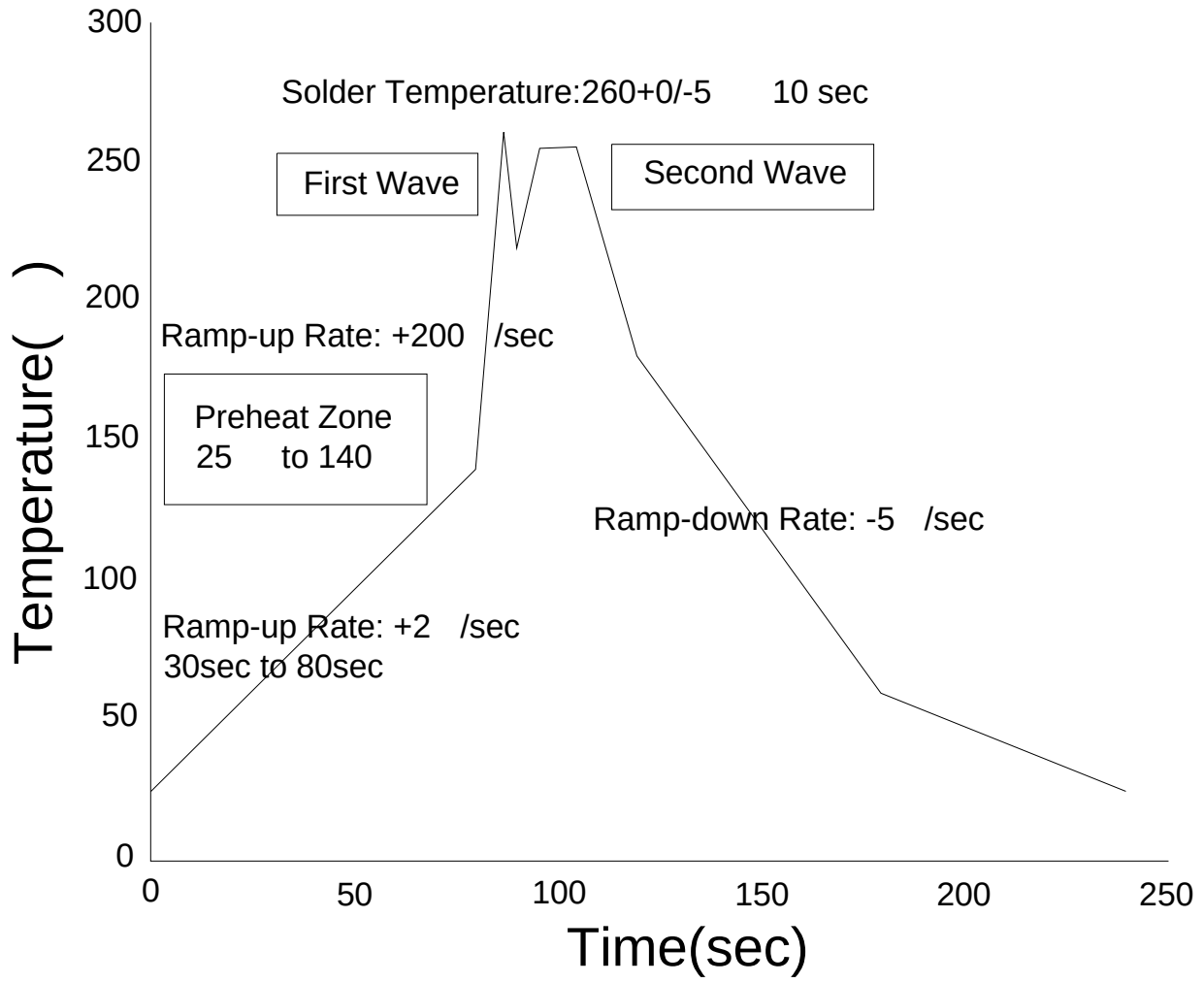
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0		1.50	1.60		0.059	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	11.90	12.00	12.10	0.469	0.472	0.476
P2	1.90	2.00	2.10	0.075	0.079	0.083
E	1.65	1.75	1.85	0.065	0.069	0.073
F	7.40	7.50	7.60	0.291	0.295	0.299
T	0.35	0.40	0.45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