



The products are transistor opto-couplers in a plastic LSOP4 package. The device combines an AlGaAs infrared emitting diode as 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, office equipment, etc.

High isolation 5000 VRMS

DC input with transistor output

Operating temperature range -40°C to 110°C

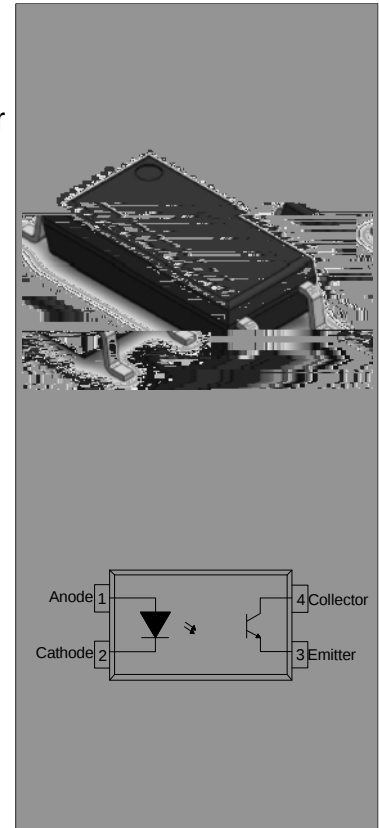
RoHS & REACH Compliance

HBM: H3A ; MM: M4; CDM:C3

CQC approved

VDE approved

UL approved



(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}	80	V
	Emitter-collector Voltage	V_{ECO}	7	V
	Collector Current	I_C	50	mA
	Power Dissipation	P_C	150	mW
Total Power Dissipation		P_{tot}	225	mW
Isolation Voltage		V_{iso}	5000	Vrms
Operating Temperature		T_{opr}	-40~+110	
Junction Temperature		T_j	125	



Storage Temperature	T _{stg}	-55~+125	
Soldering Temperature	T _{sol}	260	

: 100μs pulse, 100Hz frequency

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

(Temperature=25°C)

Input	Forward Voltage	V _F	I _F =10mA	-	1.2	1.5	V
	Reverse Current	I _R	V _R =6V	-	-	1	μA



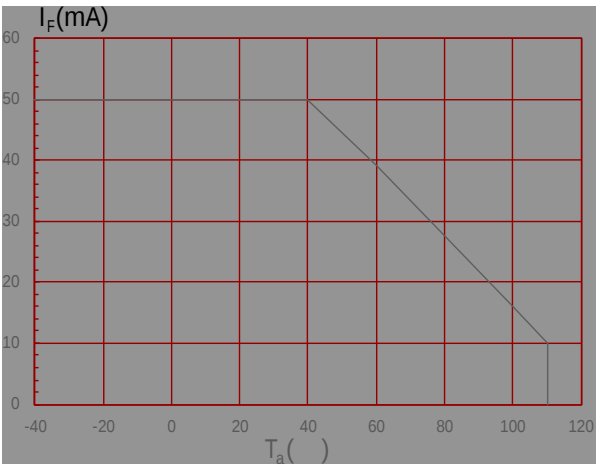
<u>J</u>	<u>OC</u>	<u>T</u>	<u>101</u>	<u>0</u>	<u>-L4</u>	<u>/</u>
JieJie Microelectronics Co., Ltd.	Opto Coupler	Transistor	Marketization Model	CTR Rank:0/6/7/8/9	LSOP4	None:T1 R:T2

None/R	3000 Units/Reel

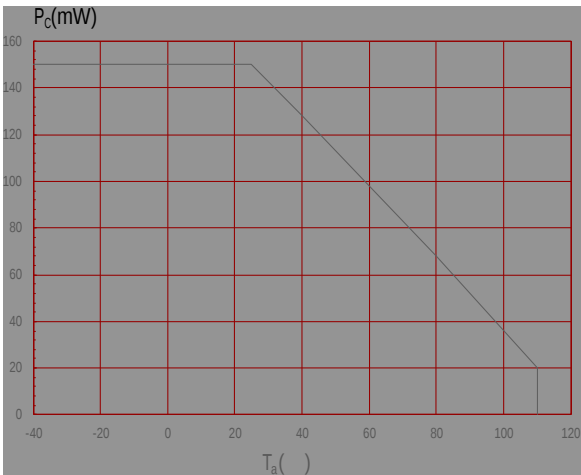
	<u>YWWZZX</u> LOT NO.
---	--------------------------



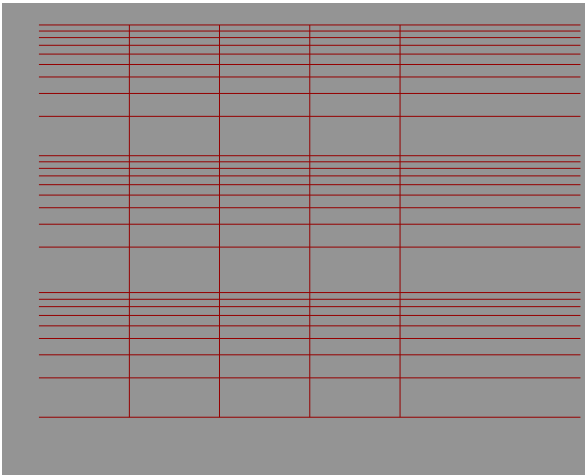
Max. Allowable LED Forward Current vs. Ambient Temperature



Collector Power Dissipation vs. Ambient Temperature



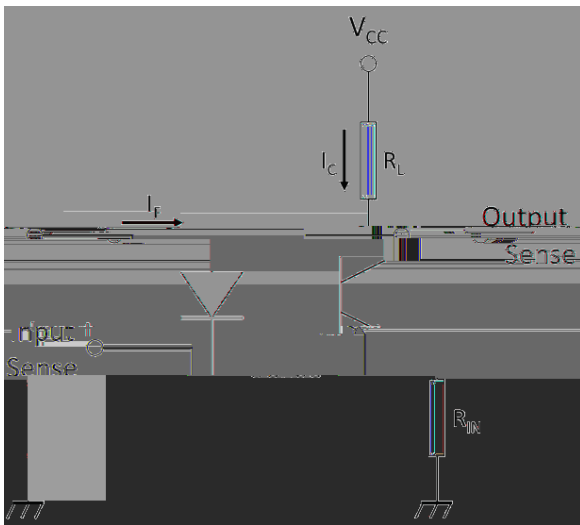
Forward Current vs. Forward Voltage



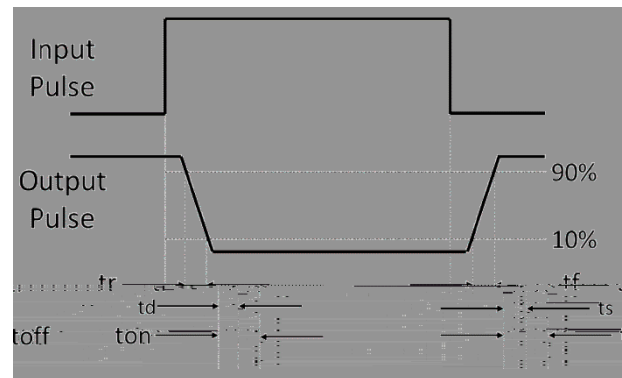
Normalized Collector Dark Current vs. Ambient Temperature



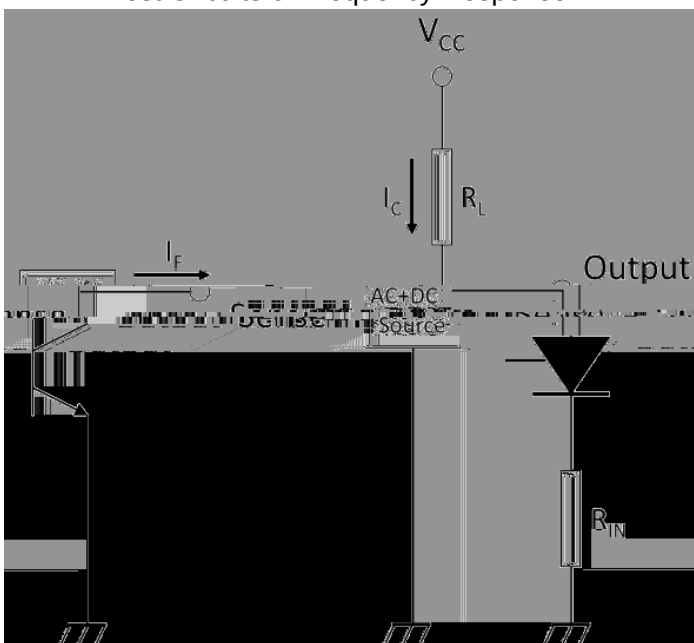
Test Circuits of Response Time

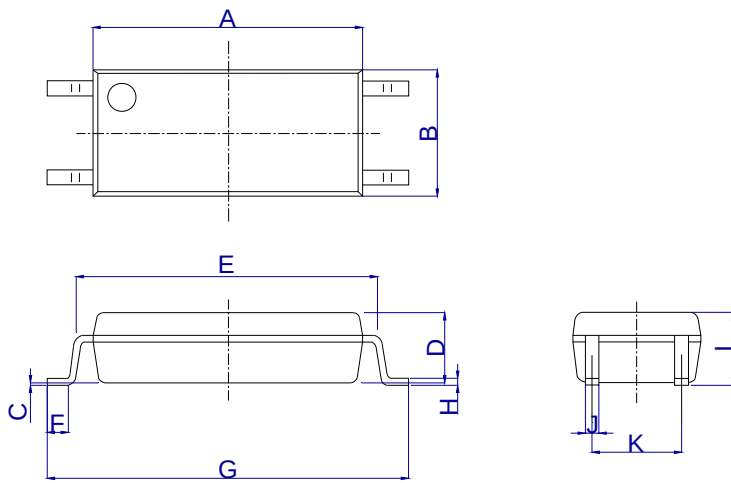


Curves of Response Time

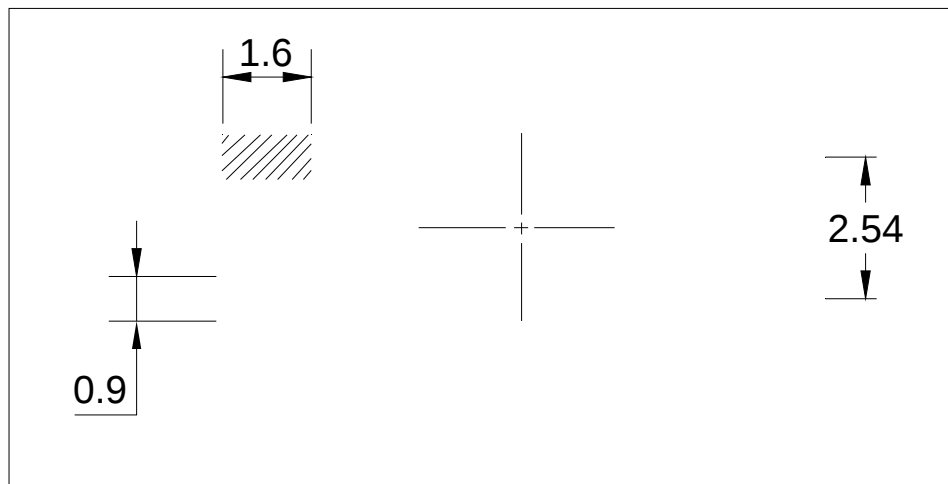


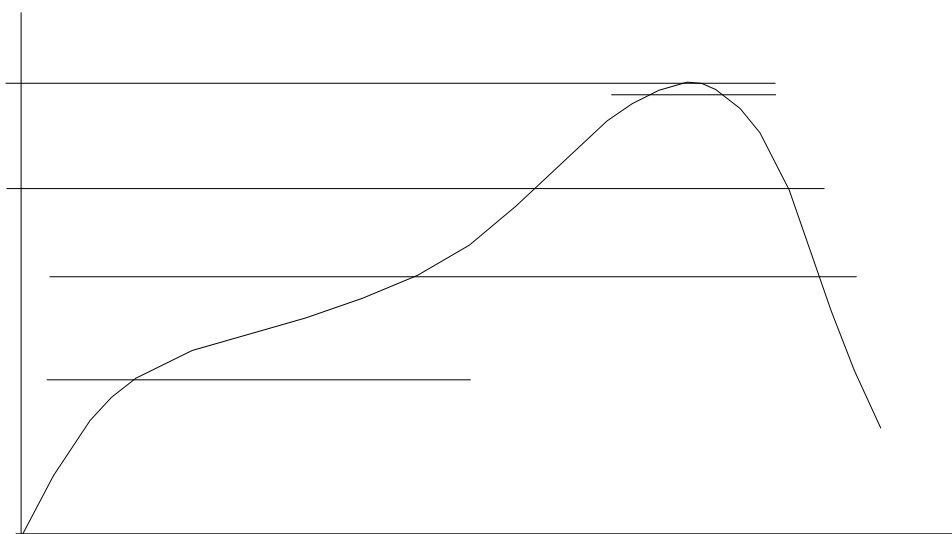
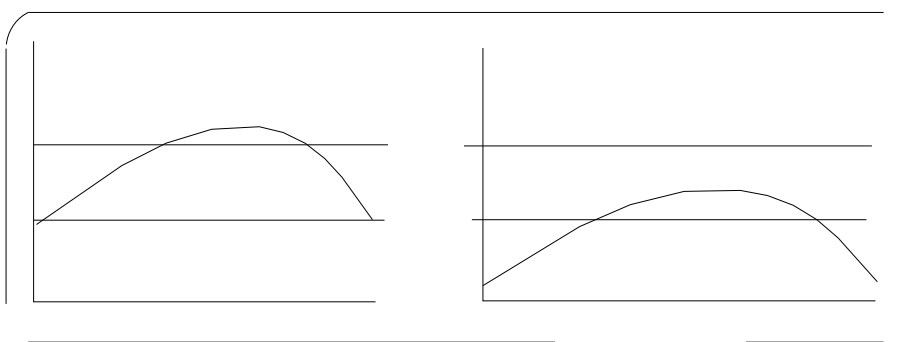
Test Circuits of Frequency Response





Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	7.40		7.80	0.291		0.307
B	3.40		3.80	0.134		0.150
C	0.00		0.20	0.000		0.008
D	1.80		2.20	0.071		0.087
E	8.10		8.70	0.319		0.343
F	0.40		1.00	0.016		0.039
G	9.90		10.50	0.390		0.413
H	0.10		0.30	0.004		0.012
I	1.80		2.40	0.071		0.094
J	0.25		0.55	0.010		0.022
K	2.29		2.79	0.090		0.110







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