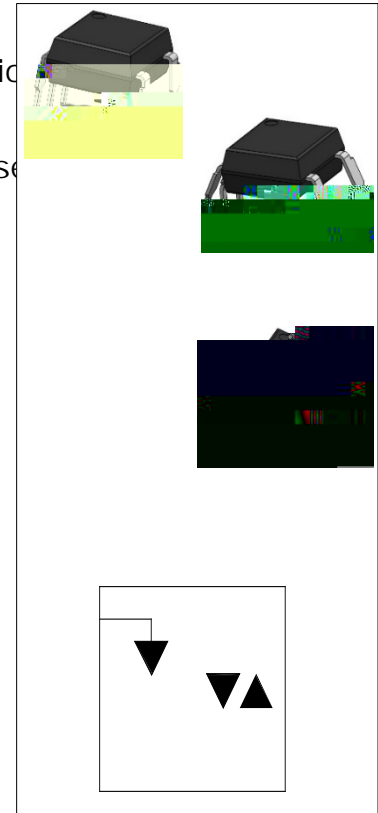




DESCRIPTION:

The JOC308XD5 series combine an AlGaAs infrared emitting diode as the emitter which is optically coupled to a monolithic silicon zero-crossing photo triac in a plastic DIP5 package with different lead forming options. The products are widely used in solenoid/valve controls, lighting controls, motor controls, temperature control, static AC power switches, solid state relays, interfacing microprocessors up to 265 peripherals.



MAIN FEATURES

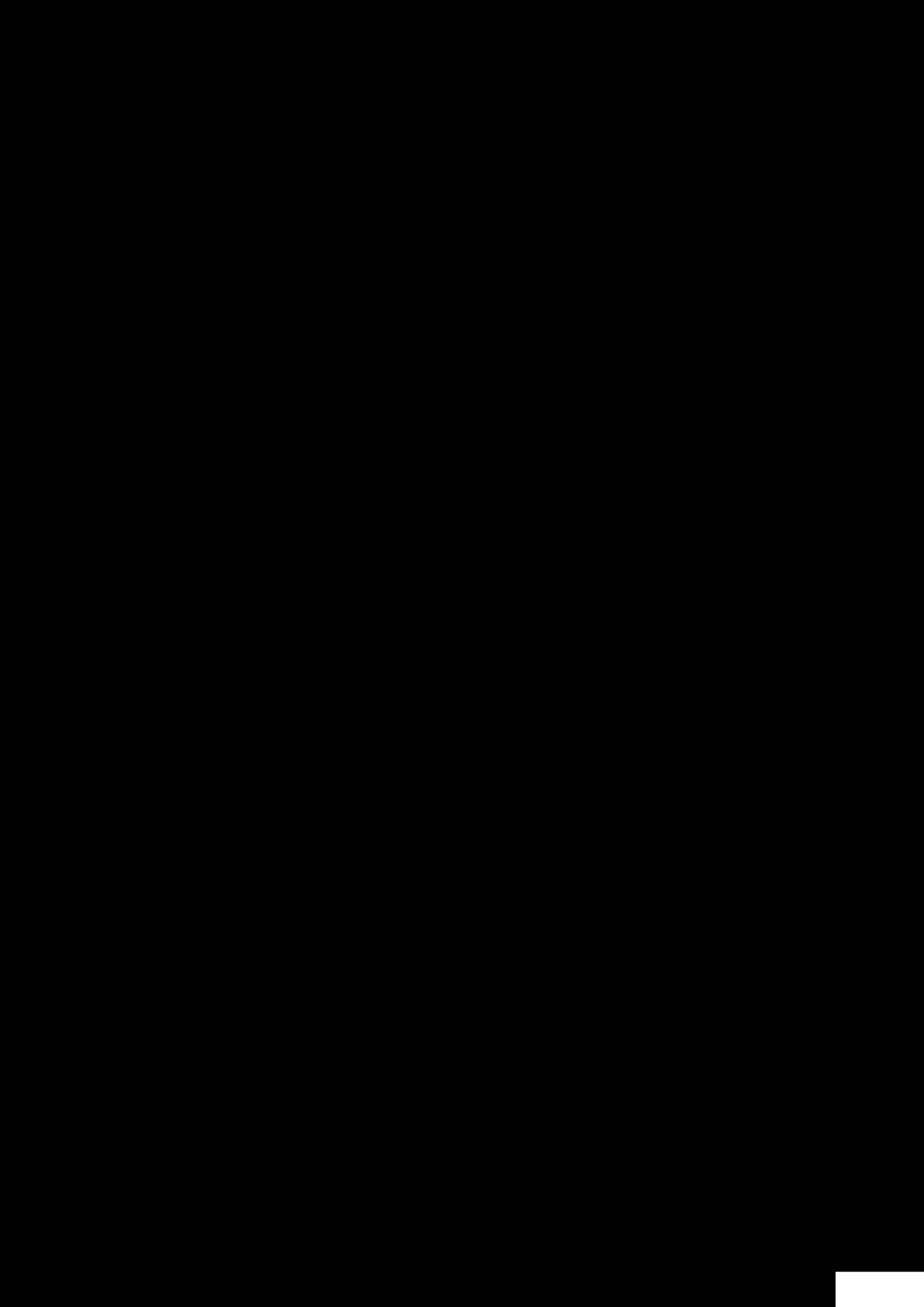
- High isolation 5000 VRMS
- DC input with zero-crossing photo triac output
- Operating temperature range 55

HBM:

- CQC approved
- VDE approved
- UL approved

ABSOLUTE MAXIMUM RATINGS (Temperature=25°C)

Parameter		Symbol	Value	Unit
Input	Forward Current	I_F	60	mA
	Reverse Voltage	V_R	6	V
	Junction Temperature	T_j	125	
	Input Power Dissipation	P_I	100	mW
	Power Dissipation Derating ($T_a = 25$)	$P_{D/}$	-1.33	mW/
Output	Off-state Output Terminal Voltage	V_{OFF}	800	V
	3 HDN 2 Q í V W D W H & X U U H Q W Pulse, 120 pps)	I_{TP}	2	A
	On-state RMS Current	$I_{T(RMS)}$	100	mA
	Peak Repetitive Surge Current ($R_r=10$ ms)	I_{TSM}	1	A
	Junction Temperature	T_j	125	
	Output Power Dissipation	P_O	250	mW



ORDERING AND MARKING INFORMATION

M

JOC308XD5

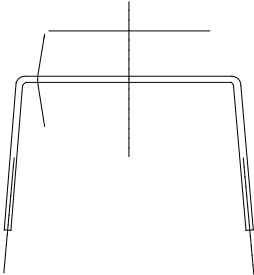
TEST CIRCUITS

FIG.1 2: Test Circuits of Turn On Time

FIG.1 3: Waveforms of Turn On Time

Package Dimension (Unit: mm)

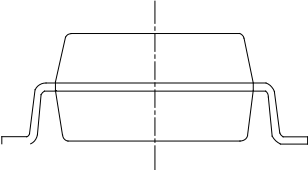
Standard DIP Type:



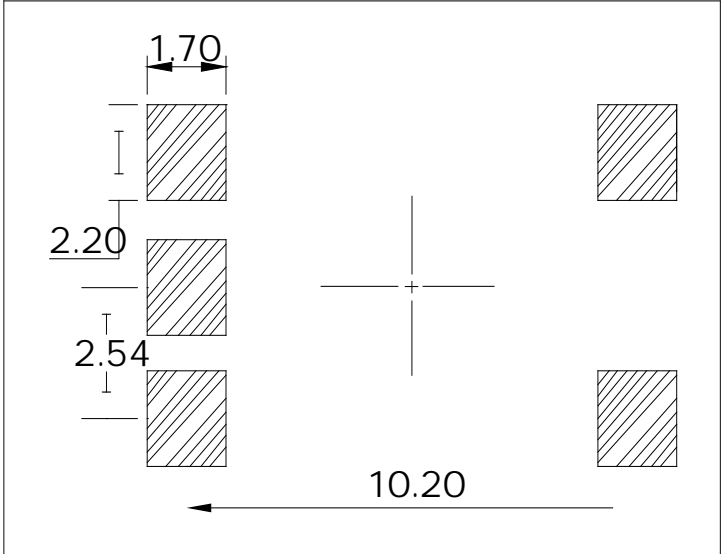
Option S Type:



Option SLM Type:



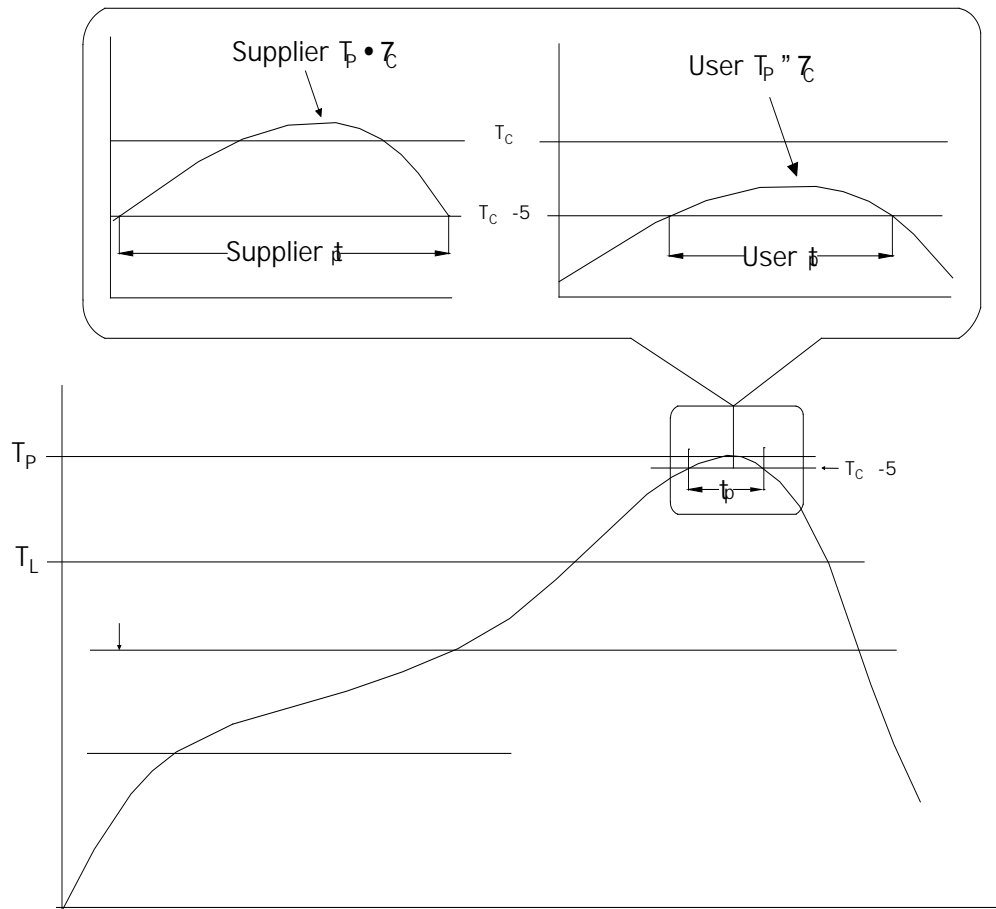
Option SL



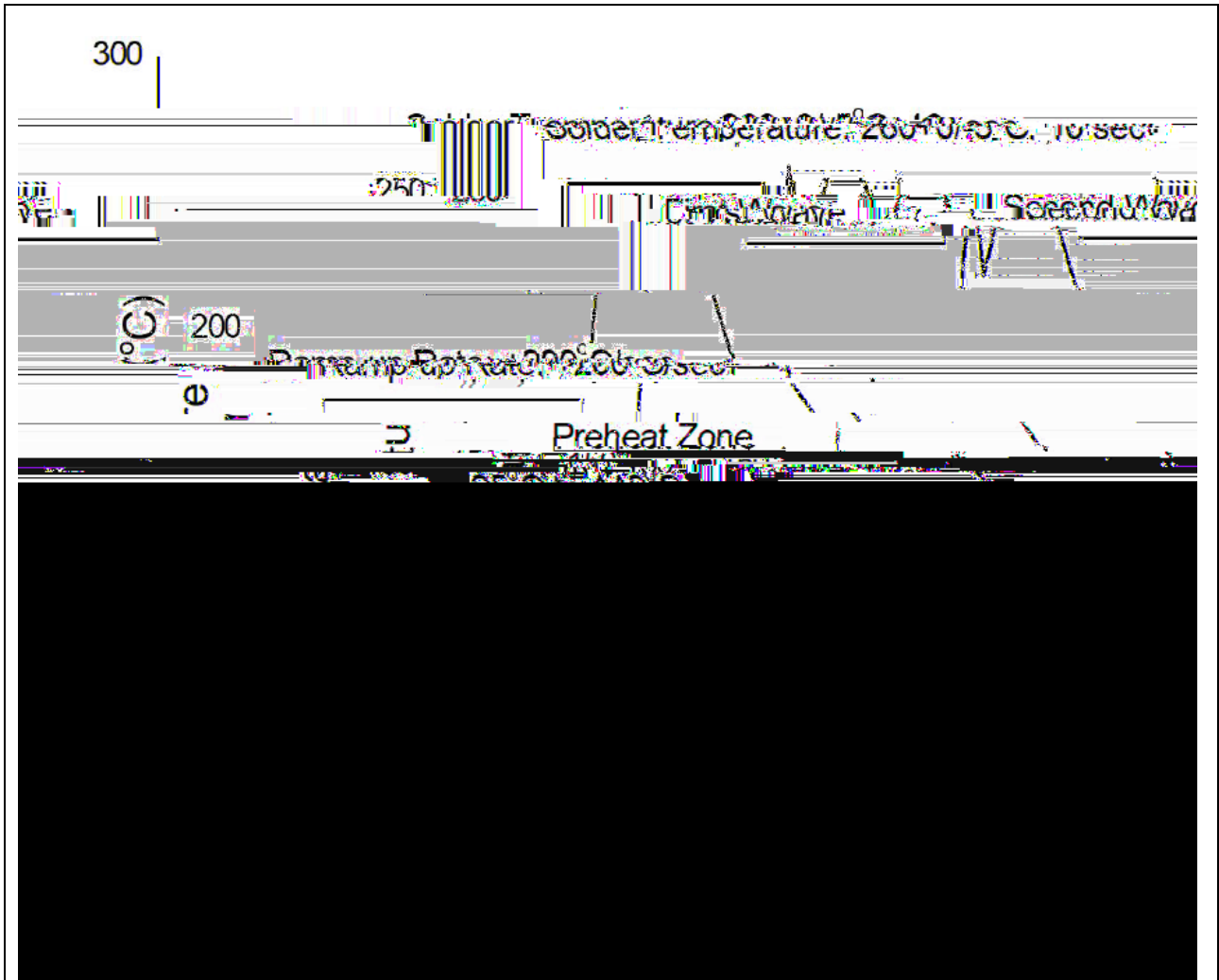
Option SLM



REFLOW INFORMATION



WAVE SOLDERING



HAND SOLDERING BY SOLDERING IRON


Soldering Temperature	360± 5
Soldering Time	3s max.

Document Revision History

Date	Revision	Changes
Apr.2, 2025	A.1.0	Last update
Nov.6, 2025	A.1.1	Add S&SLM package

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement signed, Jiangsu JieJie complies with the agreement.

Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information. This document supersedes and replaces all information previously supplied.

 is a registered trademark of Jiangsu JieJie Microelectronics Co., Ltd.

Copyright © 2025 Jiangsu JieJie Microelectronics Co., Ltd. All rights reserved.