



JOC301XD4 Series

Rev.A.1.1

DESCRIPTION:

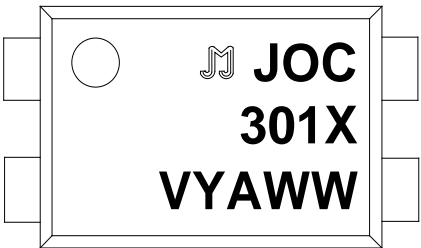
The JOC301XD4 series combine an AlGaAs infrared emitting diode as the emitter which is optically coupled to a monolithic silicon random-phase photo12 Tw 3750.655 36.675 54oli66

	Junction Temperature	T_j	125	
	Output Power Dissipation	P_o	250	mW
	Power Dissipation Derating ($T_a = 25^\circ C$)	$P_D/$	-3.33	mW/

Total Power Dissipation

P

ORDERING AND MARKING INFORMATION

MARKING INFORMATION			
		<p>JOC : Company Abbr. 301X : Part Number & Rank VYAWW : LOT NO.</p>	
ORDERING INFORMATION			
JOC301XD4(Y)(Z)-GV			
<p>JOC – Company Abbr. 301X – Part Number (0/1/2) D4 – DIP4 Package Y – Lead Form Option (M/S/SL/SLM/None) Z – Tape and Reel Option (T1/T3) G – Green V – VDE Option (V or None)</p>			
Packing Quantity			
Option	Quantity	Quantity – Inner box	Quantity –Outer box
None	100 Units/Tube	32 Tubes/Inner box	10 Inner box/Outer box =32k Units
M	100 Units/Tube	32 Tubes/Inner box	10 Inner box/Outer box =32k Units
S(T1)	1500 Units/Reel	3 Reels/Inner box	5 Inner box/Outer box =22.5k Units
S(T3)	1000 Units/Reel	3 Reels/Inner box	5 Inner box/Outer box =15k Units
SL(T1)	1500 Units/Reel	3 Reels/Inner box	5 Inner box/Outer box =22.5k Units
SL(T3)	1000 Units/Reel	3 Reels/Inner box	5 Inner box/Outer box =15k Units
SLM(T1)	1500 Units/Reel	3 Reels/Inner box	5 Inner box/Outer box =22.5k Units

Characteristics Curves

FIG.1: Foo(0.000)71.1 arc C71.1 uoo(0.00rc)4.4 ents.1 .0.00at0.00e

TEST CIRCUITS

FIG.12: Test Circuits of Turn On Time

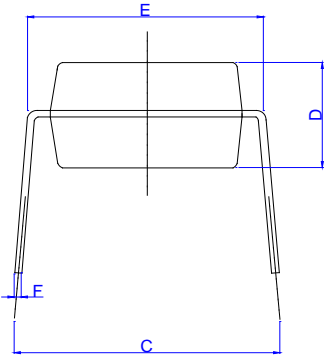
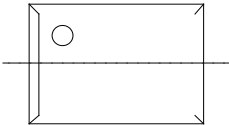
FIG.13: Waveforms of Turn On Time

Fig.14: Test Circuits of dV/dt

Fig.15: Waveforms of dV/dt

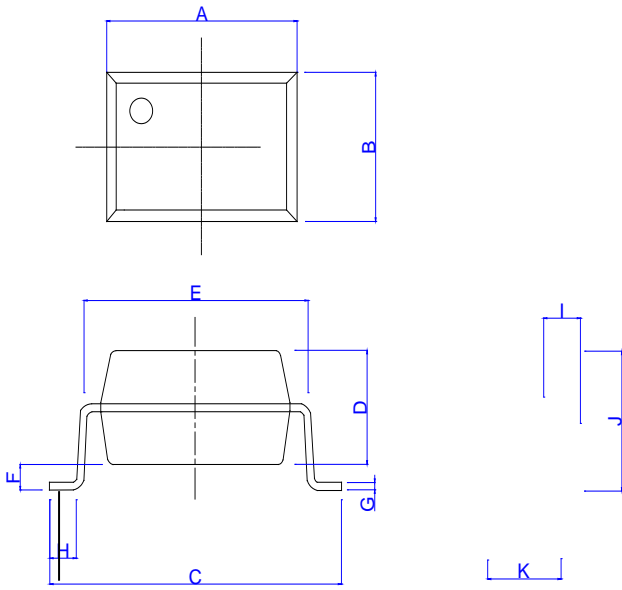
Package Dimension (Unit: mm)

Standard DIP Type:



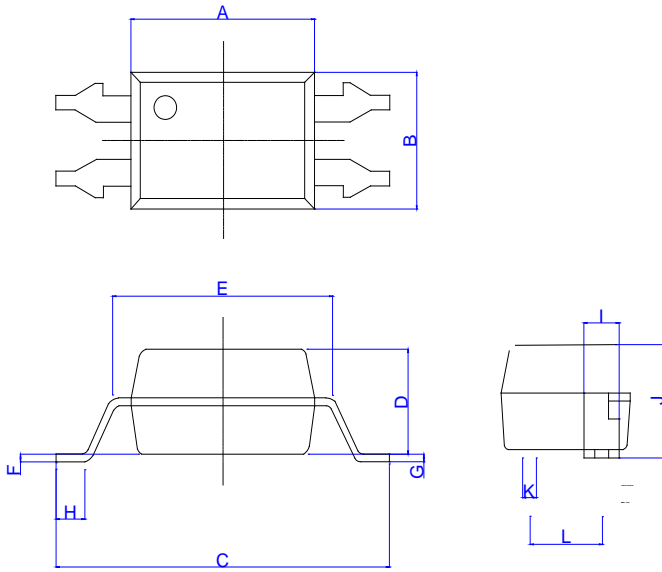
2.80

Option S Type:



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.30		6.70	0.249		0.265
B	4.38		4.78	0.173		0.189
C	9.85		10.45	0.389		0.413
D	3.30		3.70	0.130		0.146
E	7.32		7.92	0.289		0.313
F		0.80			0.032	
G		0.25			0.010	
H		0.80			0.032	
I	1.20		1.40	0.047		0.055
J	4.00		4.60	0.158		0.182
K		2.54			0.100	

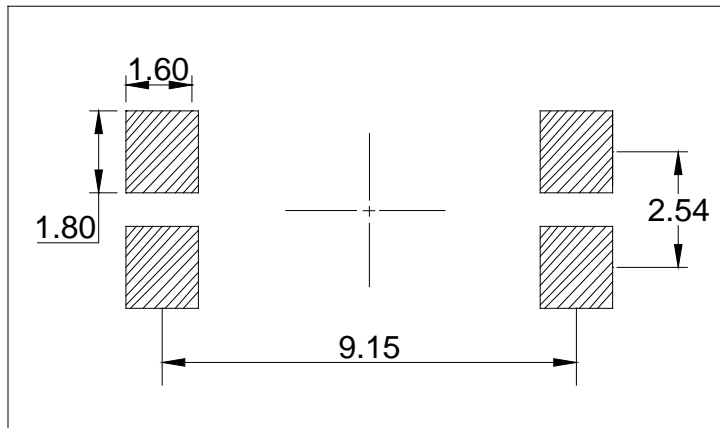
Option SLM Type:



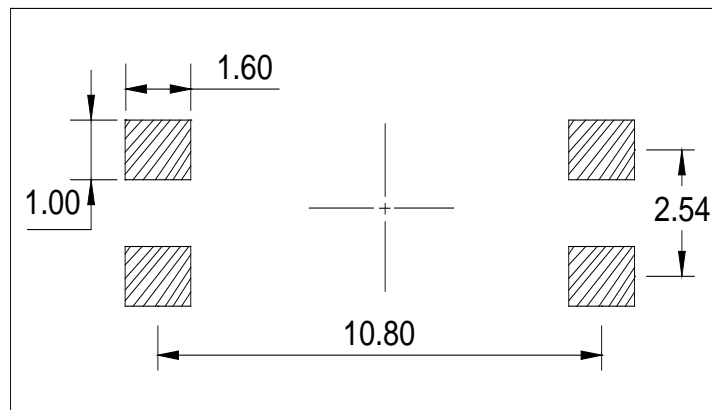
Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	6.30		6.70	0.248		0.264
B	4.38		4.78	0.172		0.188
C	11.50		12.10	0.453		0.476
D	3.30		3.70	0.130		0.146
E	7.32		7.92	0.288		0.312
F						
G						
H	0.40			0.016		
I	1.20		1.40	0.047		0.055
J	3.45		4.05	0.136		0.159
K						
L						

RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

Option S/SL

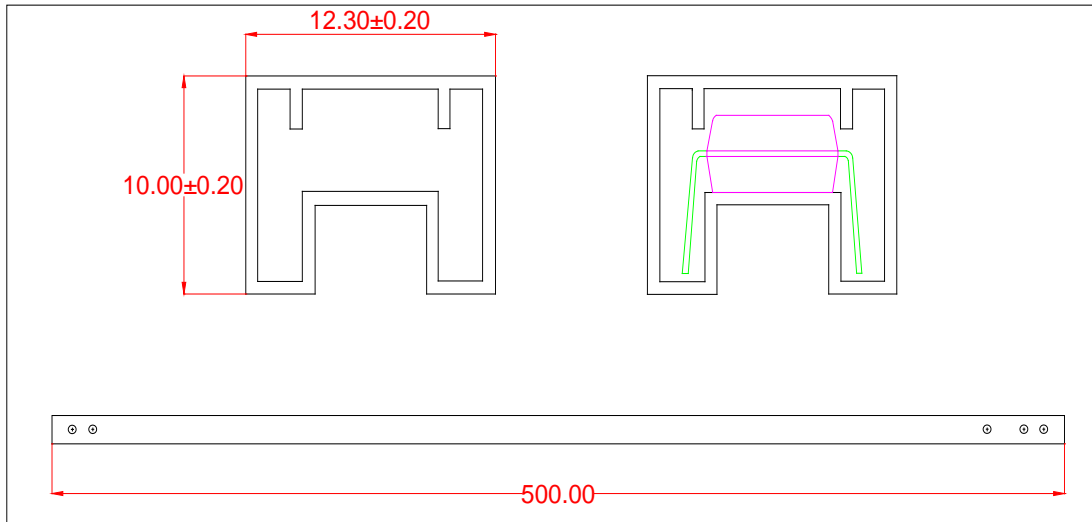


Option SLM

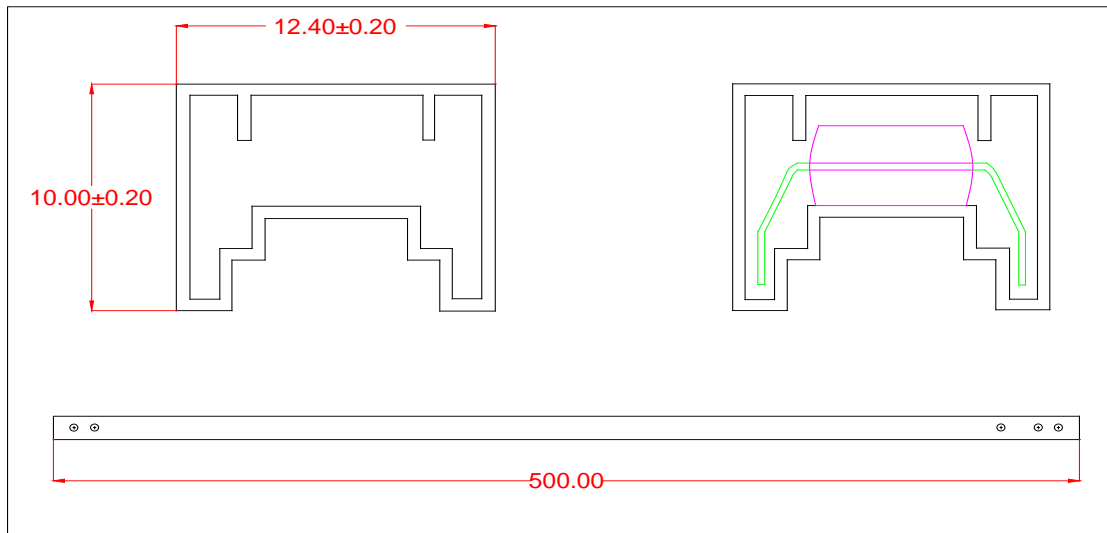


TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

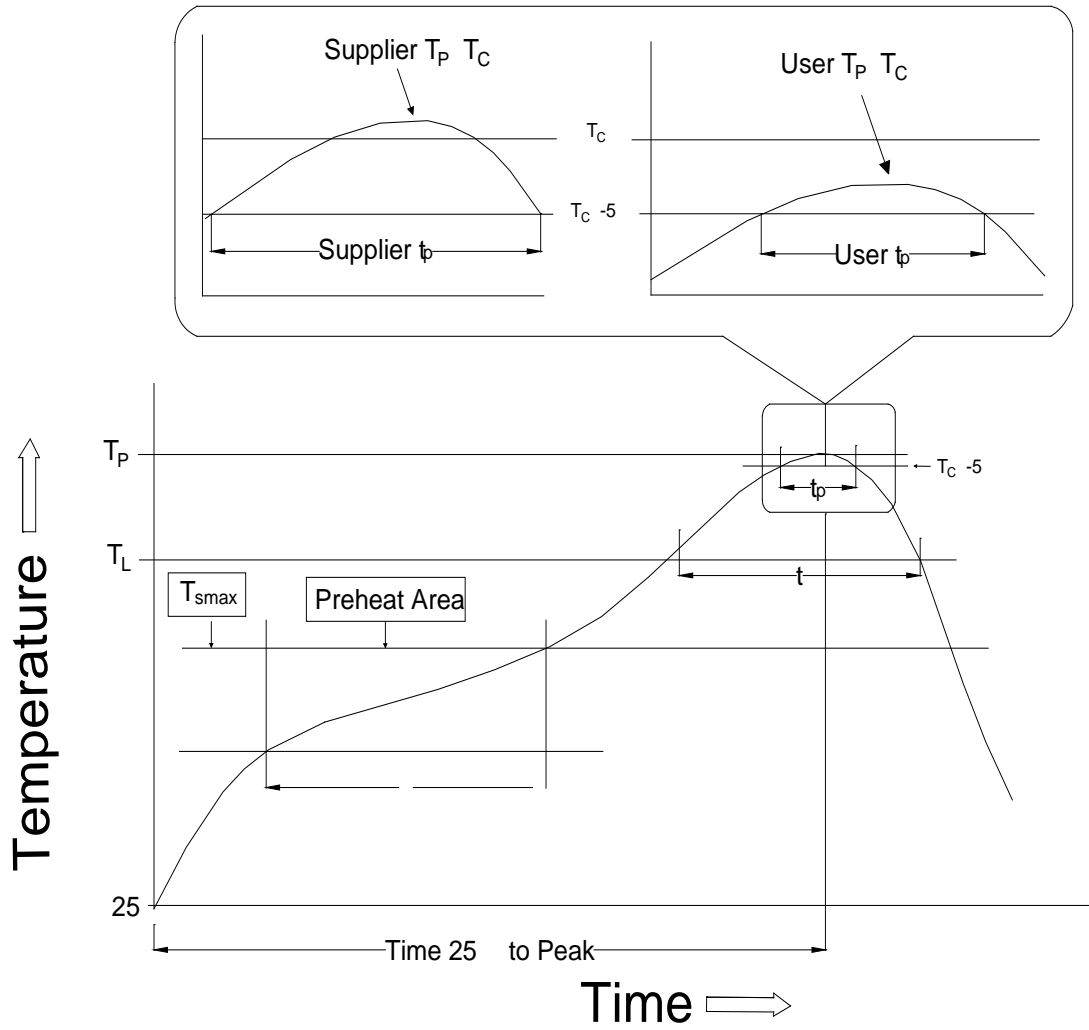
Standard DIP



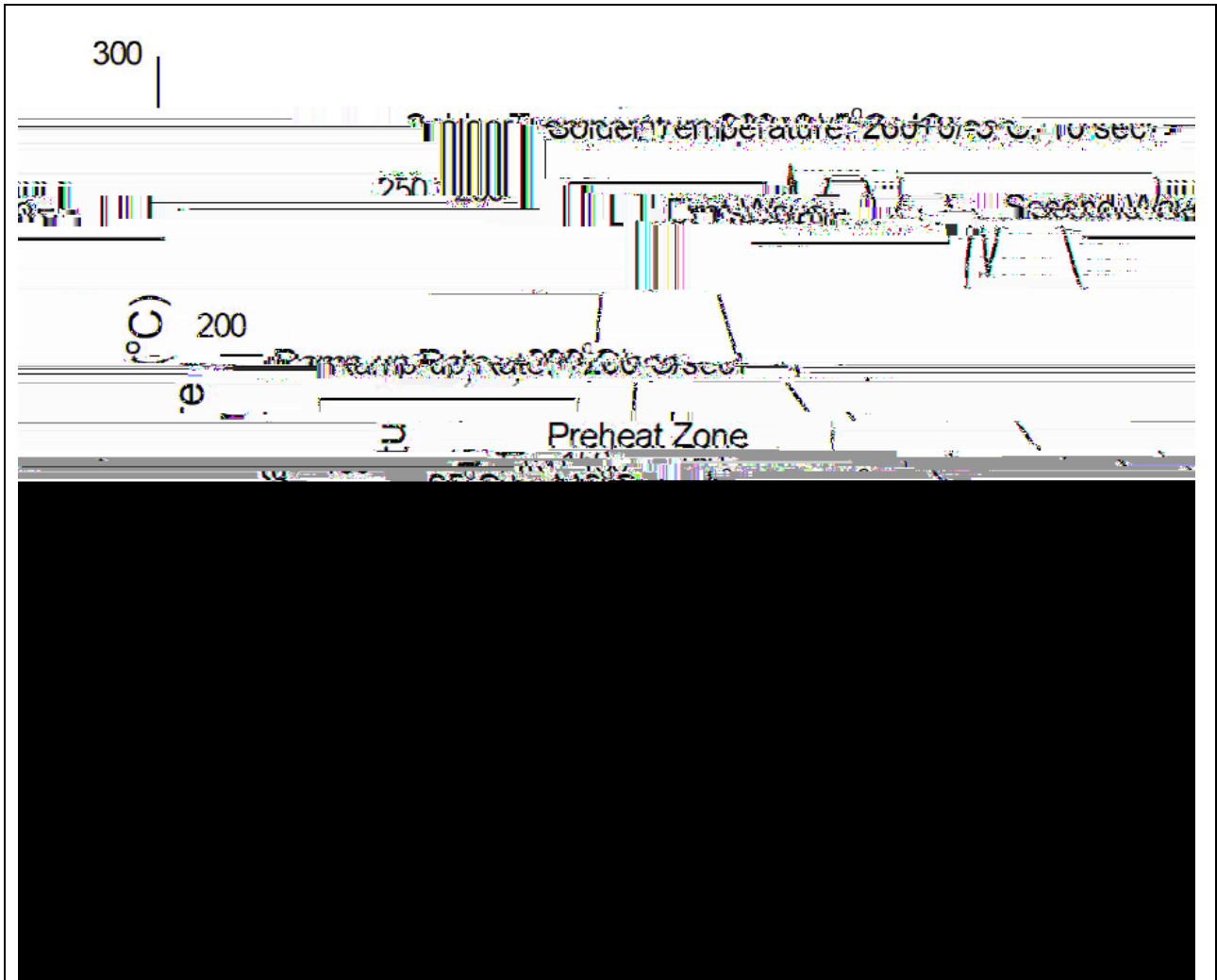
Option M



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.5, 2025	A.1.1	Add SLM package

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