



JOC305XM4 Series

Rev.A.1.0



The JOC30 5XM4 series combine an AlGaAs infrared emitting diode as

silicon random -phase photo SOP4 pac

With

series provide

are widely used in solenoid/valve control

modules

solid state

peripherals.



High isolation 3750 VRMS

DC input -phase photo

Operating 55t to 100

REACH & RoHS compliance

Halogen free

MSL class 1

HBM : H3A ; MM: M4

CQC approved

VDE approved

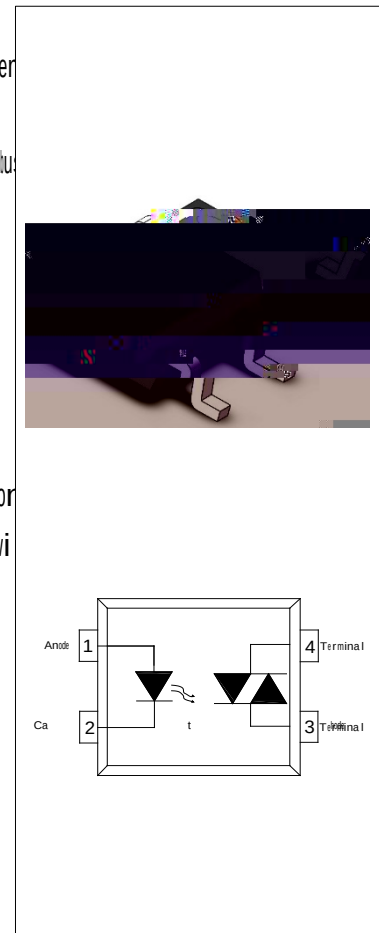
UL approved



(Temperature

t

Parameter		Symbol	Value	Unit
Input	Forward Current	I_F	60	mA
	Reverse Voltage	V_R	6	V
	Junction Temperature	T_j	125	°C
	Input Power Dissipation	P_I	100	mW
	Power Dissipation (Ta = 25 °C)	P_D	1.33	mW
Output	Off-state Voltage	V_{OFF}	600	V
	Peak On-state Current (100µs pulse, 120 pps)	I_{TP}	2	A
	On-state Current	$I_{T(RMS)}$	100	mA
	Peak Current (w=10 ms)	I_{TSM}	1	A





AMS



	MA
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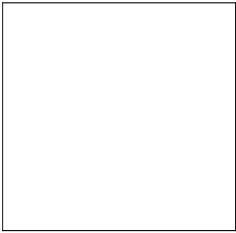




FIG.1: Forward Current

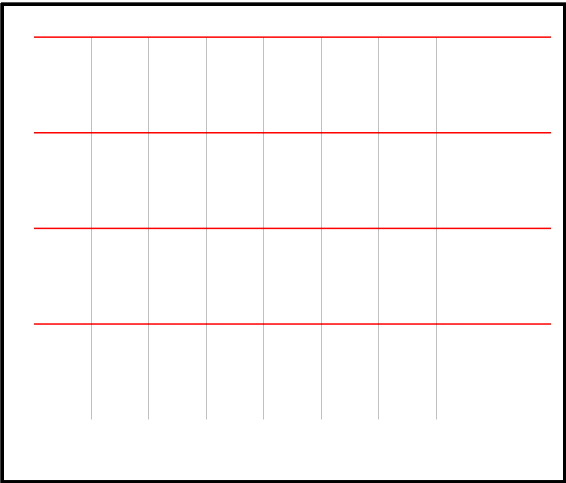


FIG.2: On-state vs. Ambient Temperature
Tj = 25°C, VDS = 10V, IS = 100mA, f = 1kHz, RDS(on) = 0.1mΩ

TEST

FIG.12: Test

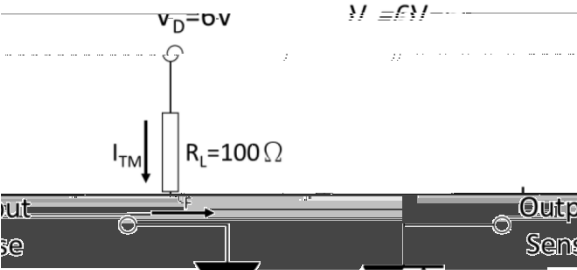


FIG.13: Waveforms of Turn On Time

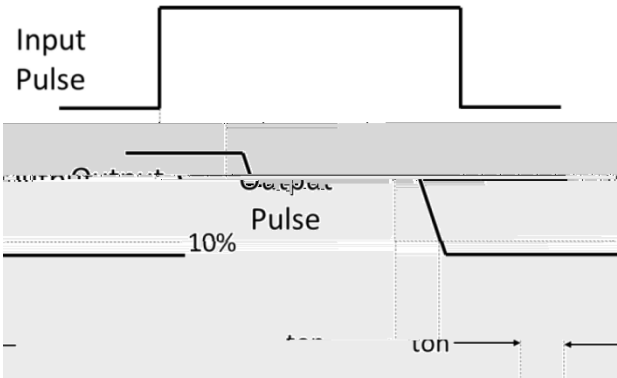


Fig.14: Test Circuits of dV/dt

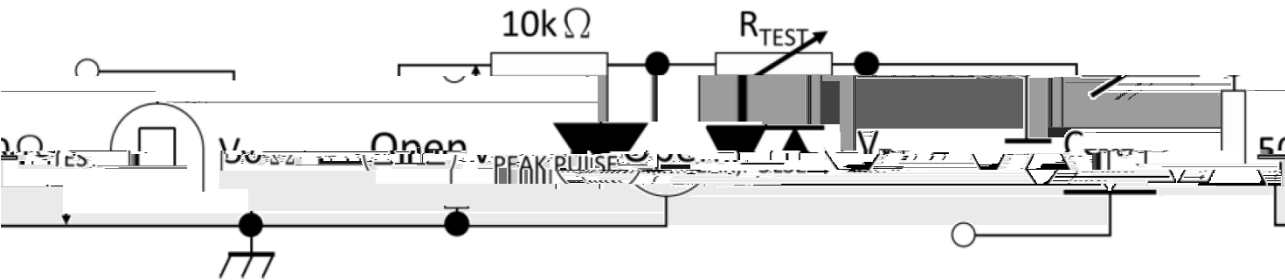
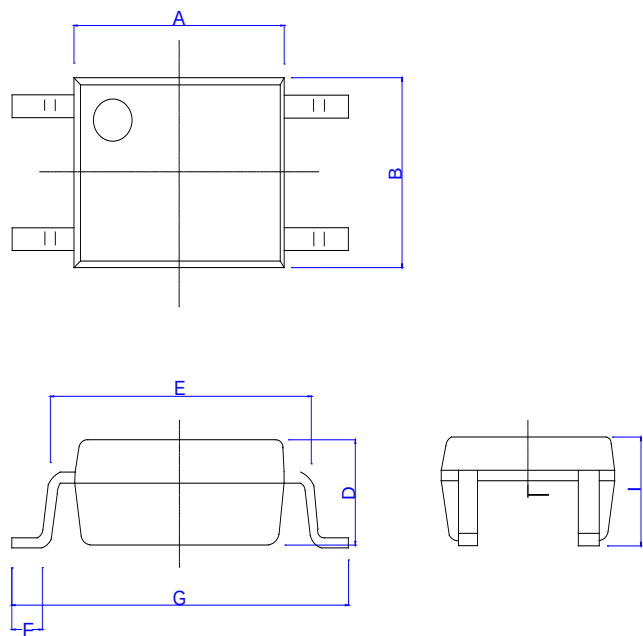


Fig.15: Waveforms of dV/dt





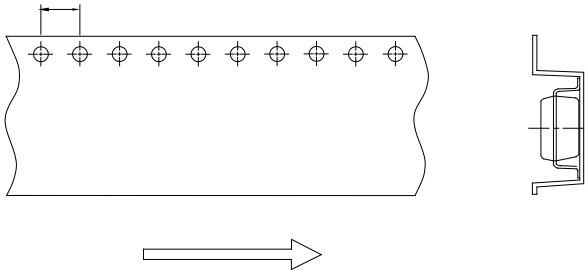
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Ref.	Dimensions					
	Millime			Inchest		
	Min.	Typ.	Max	Min.	Typ.	Max
A	4.20		4.85	0.165		0.191
B	3.30		4.40	0.130		0.173
C						
D	1.75		2.80	0.069		0.110
E	4.90		5.80	0.193		0.228
F						
G	6.30			0.248		
H						
I						
J						

CARTEAU)

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