



JOC305XM4 Series

Rev.A.1.0



The JOC30 5XM4 series combine an AlGaAs infrared emitting diode as the emitter with a silicon random -phase photo diode in a SOP4 package. With the help of the MOS technology, the series provide high reliability and are widely used in solenoid/valve control, lighting, and solid state relays. 65 VAC and 100 VDC.



High isolation 3750 VRMS
DC input -phase photo diode
Operating temperature 55°C to 100°C

REACH & RoHS compliance

Halogen free

MSL class 1

HBM : H3A ; MM: M4

CQC approved

VDE approved

UL approved



(Temperature)

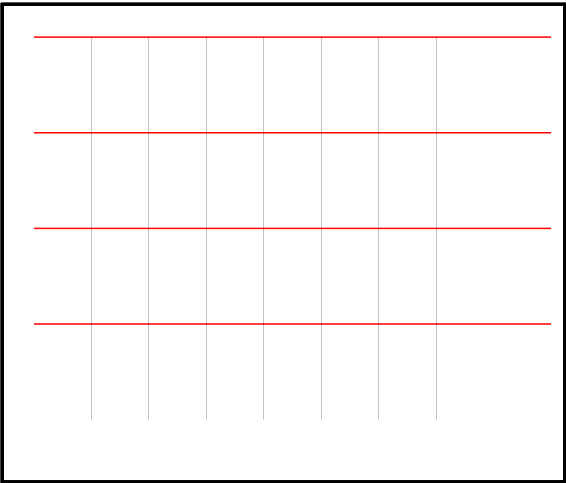
Parameter		Symbol	Value	Unit
Input	Forward Current	I_F	60	mA
	Reverse Voltage	V_R	6	V
	Junction Temperature	T_j	125	°C
	Input Power	P_i	100	mW
	Power Dissipation ($T_a = 25^\circ C$)	P_D	1.33	mW

Output

Q ANZ QM1 (j)11 (j)2 (-)31 (j)3



FIG.1: Forward Current



t

FIG.2: On-s

vs. Ambient

t

t

Temperature

100 40

t

TEST

FIG.12: Test

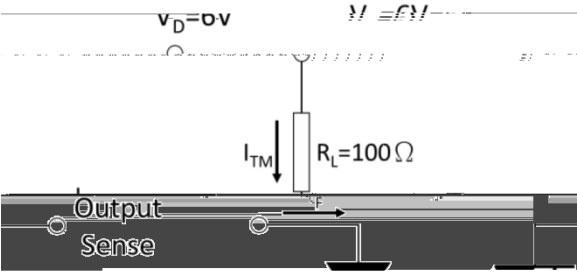


FIG.13: Waveforms of Turn On Time

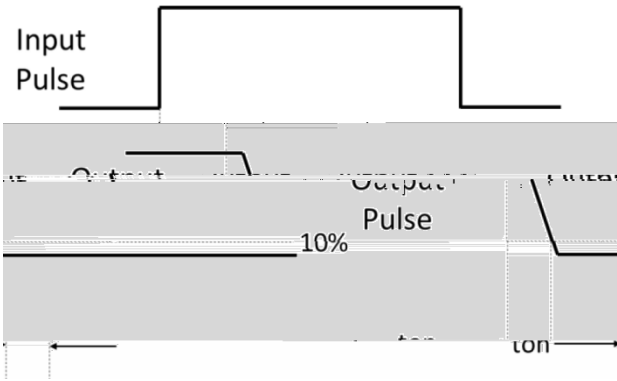


Fig.14: Test Circuits of dV/dt

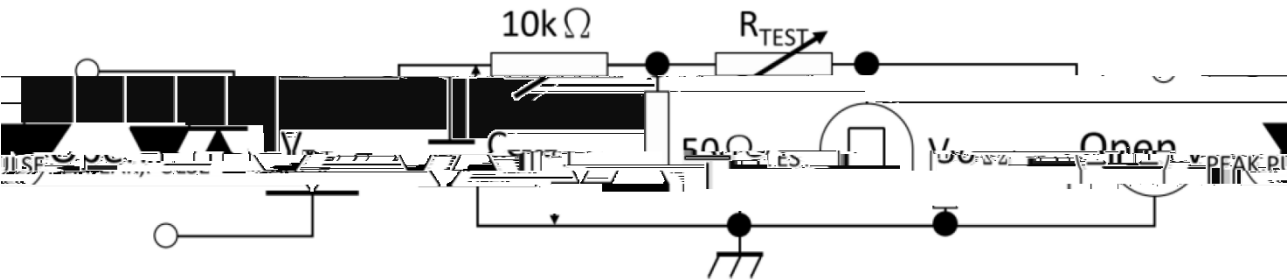
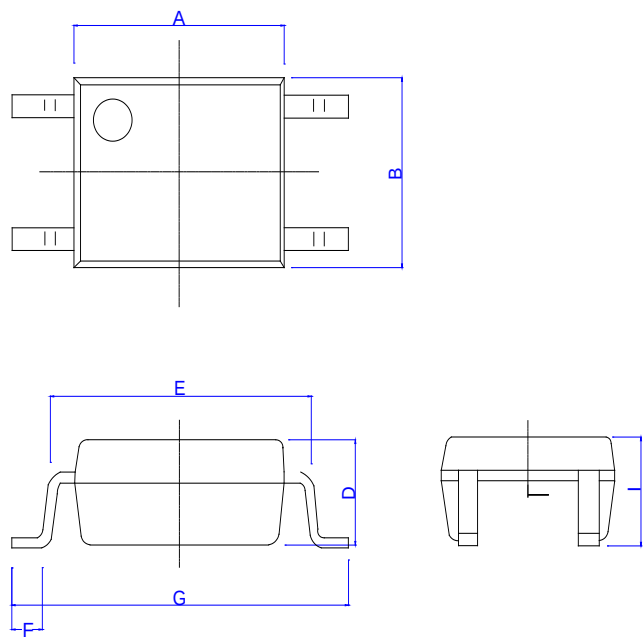


Fig.15: Waveforms of dV/dt





: m



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						

R05206

