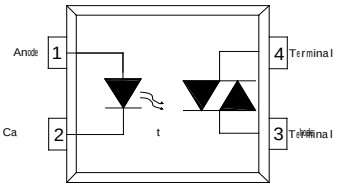
JOC305XM4 Series

Rev.A.1.0

DESCRIPTION

The JOC30 5XM4 series comline an AlGaAs infrared emi
diode as t he er t
silicon random -phase pho SOP4 pac k
Wi t t h he rolu t
series provide t t
are widely used in solenoid/value con t , ligh
mo t or con
solid s t 65 VAC a
peripherals.



FEATURES

High isola 3750 VRMS t ion
DC inpu -phase pho t t wi t
Opera 55t to 100 ing t
REACH & RoHS compliance
Halogen free
MSL class 1
HBM : H3A ; MM: M4
CQC approved
VDE approved
UL approved

ABSOLUTE MAXIMUM RATINGS (Tempera t ure=

Parameter		Symbol	Value	Unit
Inpu	Forward Curren	IF t	60	mA
	Reverse Vol	VR t	6 age	V
	Junc t	t Tj	125 ion Tempera	
	Inpu	t PI	100 Power Dissipa	mW
	Power Dissipa (Ta 25)	PD / t	-1.33 ion Dera	mW /
Ou	Offs Vol	t VOFF	600 age	V
	Pea On-state Curren (100µs pulse, 120 pps)	pu ITP	k t 2 t	A
	On-s	t IT(RMS)	100 a	mA t
	Pea Curren w=10 ms)	t ITSM	k 1 (P	A Repe

[redacted]

[redacted]

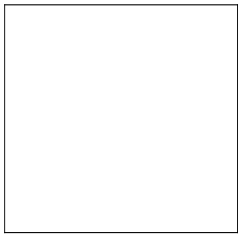


FIG.1: Forward Curren t

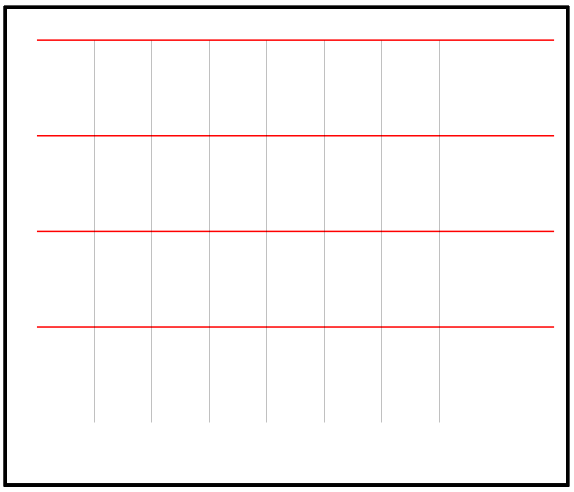


FIG.2: On-s vs. Amlien t t Tempera (ma200 -0.Im1 tDoTl S Tw c..000202 0

FIG.12: Test t

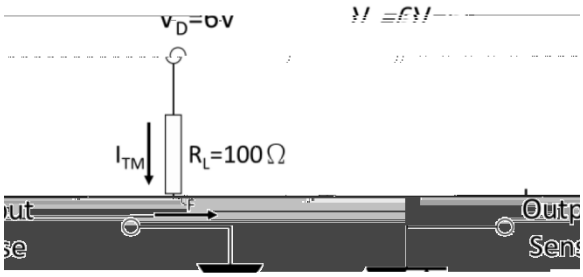


FIG.13: Waveforms of Turn On Time t

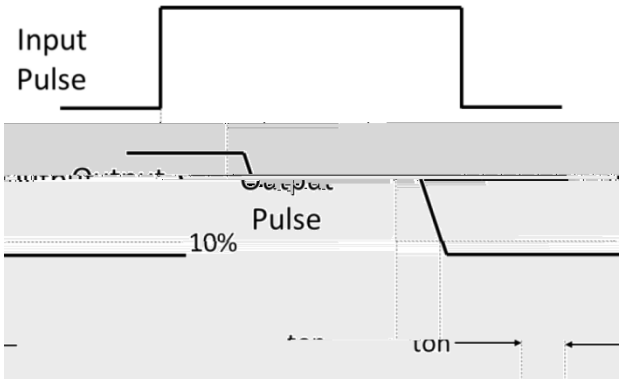


Fig.14: Test Circuits of dV/dt

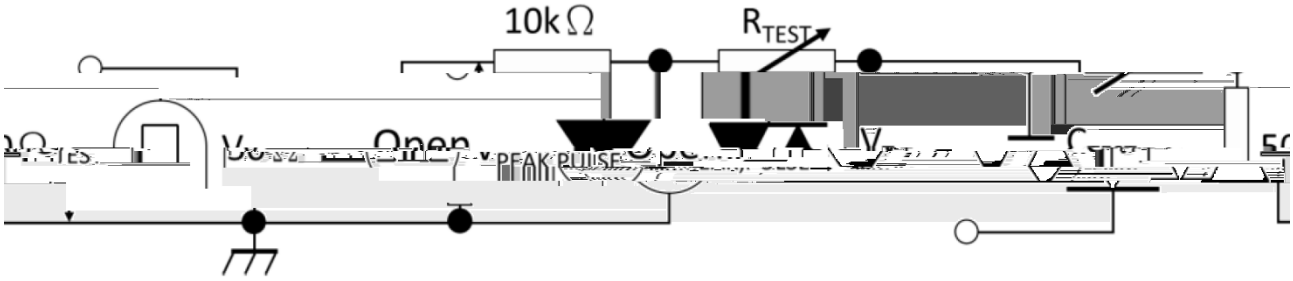
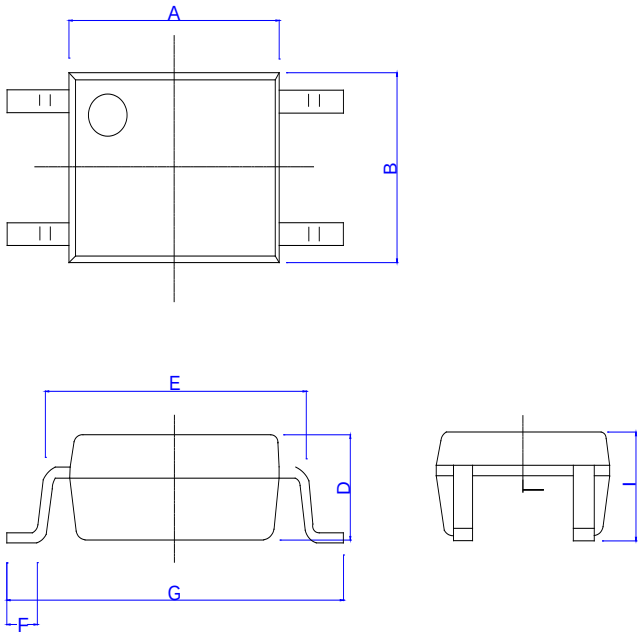


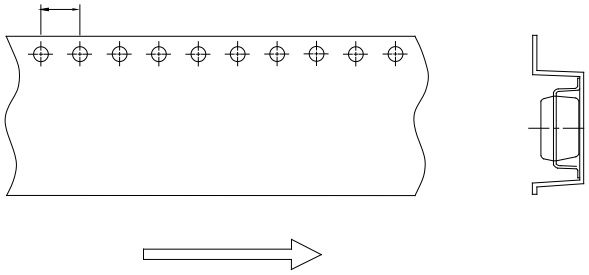
Fig.15: Waveforms of dV/dt

: m



Ref.	Dimensions					
	Millimeter			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						

CA)



[redacted]