JOCMAXXX-PS4

Rev.A.1.0

DESCRIPTION:

The products are 4-pin optical relays. The device is a very small outline non-leaded photorelay suitable for surface-mount assembly. It consists of an infrared LED optically coupled to a photo-MOSFET and is housed in a PSON4 package. It features a very small on-resistance and fast on/off switching of a high-frequency signal, making it ideal for switching applications in high-speed testers. The products are widely used in automatic test equipment, high-speed logic IC testers, high-speed memory testers and measuring instruments.

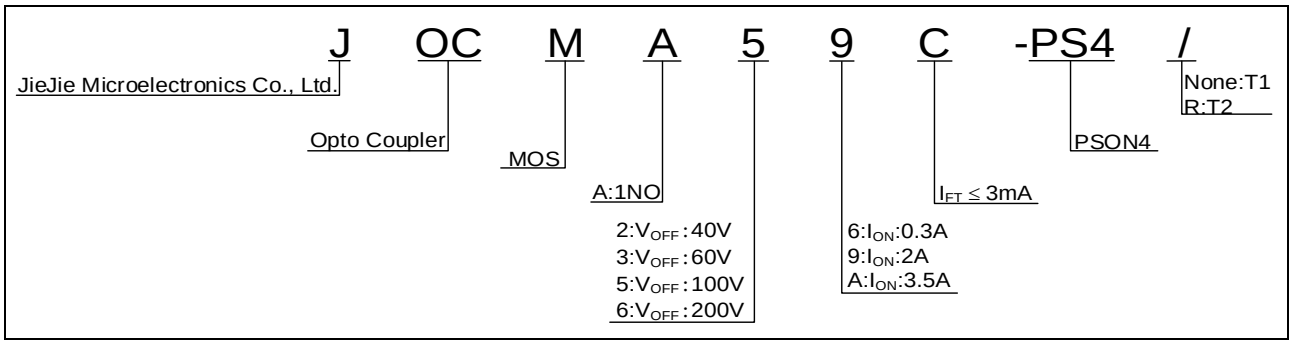
MAIN FEATURES

Isolation voltage

Junction Temperature	T_j	125	
Storage Temperature	T_{stg}	-55~125	

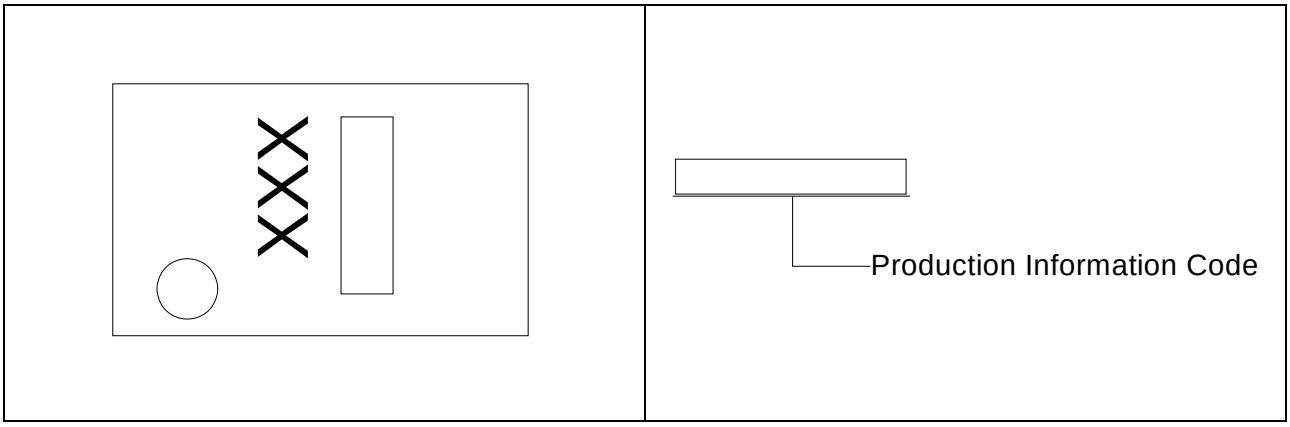
SolderiTECm

ORDERING INFORMATION



Packing Quantity	
Option	**Quantity**
PSON4	1500 Units/Reel

MARKING



Characteristics Curves

FIG.1: Max. Allowable LED Forward Current vs. Ambient Temperature

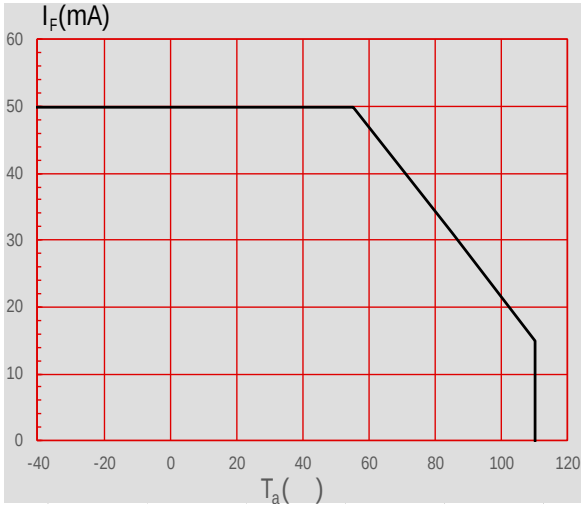
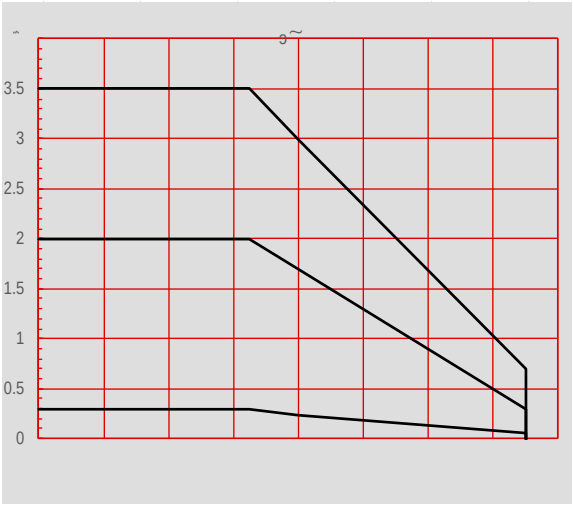
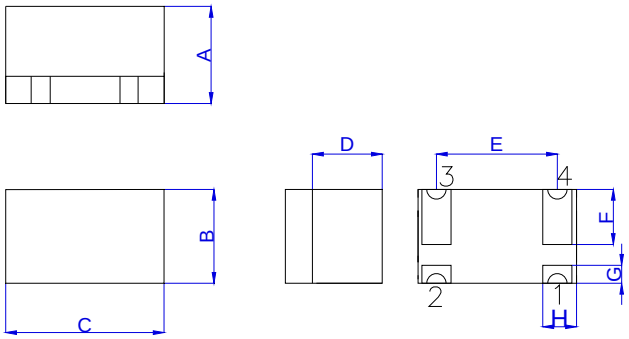


FIG.2: On-state Current vs. Ambient Temperature

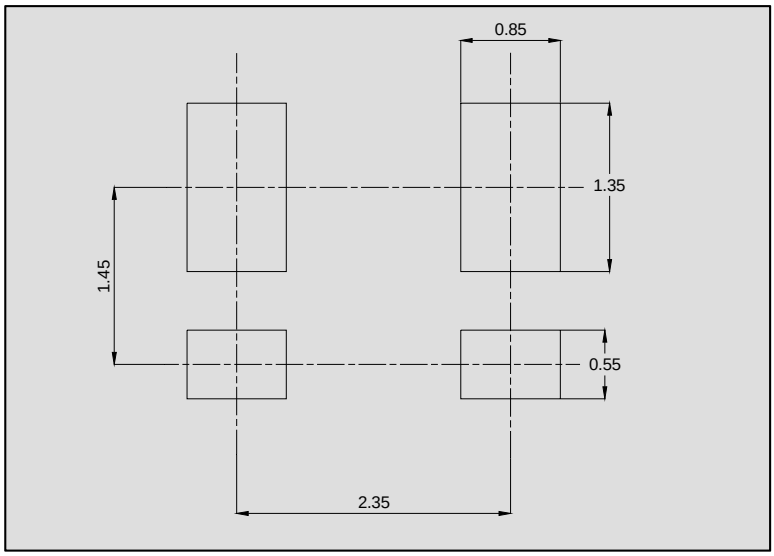


Package Dimension (Unit: mm)

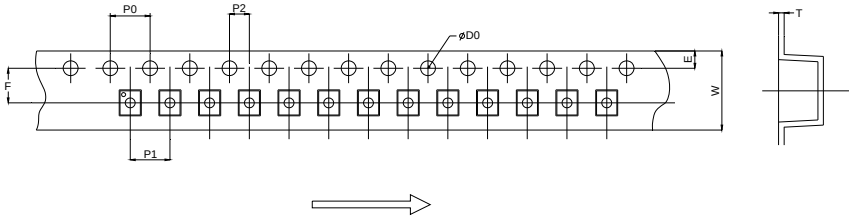


Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	1.40	1.50	1.60	0.055	0.059	0.063
B	2.00	2.10	2.20	0.079	0.083	0.087
C	3.30	3.40	3.50	0.130	0.134	0.138
D	0.98	1.08	1.18	0.039	0.043	0.046
E	2.25	2.35	2.45	0.089	0.093	0.096
F	1.10	1.20	1.30	0.043	0.047	0.051
G	0.30	0.40	0.50	0.012	0.016	0.020
H	0.75	0.85	0.95	0.030	0.033	0.037

RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

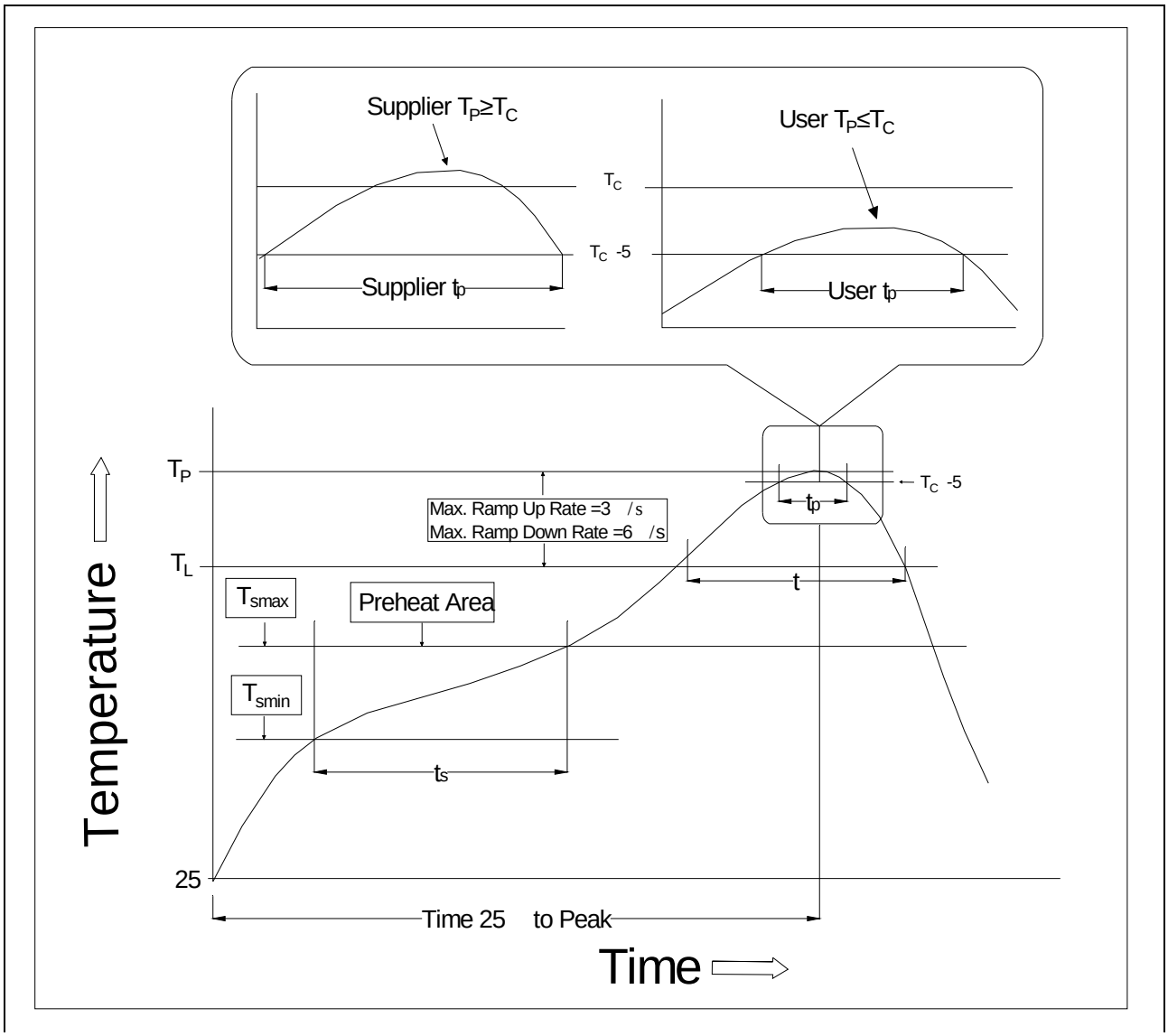


CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
D0		1.50	1.60		0.059	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	3.90	4.00	4.10	0.154	0.157	0.161
P2	1.90	2.00	2.10	0.075	0.079	0.083
E	1.65	1.75	1.85	0.065	0.069	0.073
F	3.40	3.50	3.60	0.134	0.138	0.142
T	0.20	0.25	0.30	0.008	0.010	0.012
W	7.70	8.00	8.30	0.303	0.315	0.327

REFLOW INFORMATION



Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.