## JOCMA2AC-D6P/S Series

Rev.A.1.0

### DESCRIPTION:

TOe p r o d u c P s M r e r 6 e - l p M i y n s 8 p T P i e c d M e l Q i c
Mn A l G M A s i n f r M d r i e o d d e e m i i n P P p i u n P g s P M g e c
c o u p l e d P o M O i g O - Q o l P M g e o u P p u P d e B TOe d
c o n s i s P s o f M O i g O o - l s P M i é e d l p O o c P e Q M r r
c i r c u i P r y B TOe p d r e o l d y u c B s e M r i e n R M c c u r
M u P o m o P i Q e N M P P e r y m M n M g e m e n P s y s P N M P P e r
M n d p o R e r s y s P e m i n s u l M P i o n P e s P i c o n P r
E M R C r e e d r e l M y r e p l M c e m e n P B

### MAIN FEATURES:

H i g O i s o D l O M P O l o V m m s
S i n g l e c O M n n e l n d r e m - N P l o l l y e o - S S n i g g
O p e r M P i n g P e e m r p M e n r g M e P u - 4 0 Á F P o 1 1 0 Á F
R E A F H & R o H S c o m p l i M n c e
H B M : H 3 A ; M M : M 4 ; F G M : F 3
F Q F M p p r o Q e d
V G E M p p r o Q e d
U I M p p r o Q e d

### ABSOLUTE MAXIMUM RATINGS ( T e m p e r M P u r e = 2 D Á F )

| Parameter | | Symbol | Value | Unit |
|---|---|---|---|---|
| Input | Forward Current | $_{F}$I | 50 | mA |
| | Peak Forward Current | $I_{FP}$ | 1[7] | $ |
| | 5 H Y H U V H 9 R O W D J H | $9_{5}$ | | |
| | 3 R Z H U ' L V V L S D W L R Q | 3' | | |
| 2 X W S X W | 6 Z L W F K L Q J 9 R O W D J H | $_{2}$ | 9 | |
| | & R Q W L Q X R X V / R D G & X U U H Q W | | | |
| | 3 R Z H U ' L V V L S D W L R Q | 3& | | P: |
| 2 S H U D W L Q J 7 H P S H U D W X U H | | $7_{RSU}$ | a | |
| - X Q F W L R Q 7 H P S H U D W X U H | | $7_{M}$ | | |
| 6 W R U D J H 7 H P S H U D W X U H | | $7_{VWJ}$ | a | |
| 7 R W D O 3 R Z H U ' L V V L S D W L R Q | | $3_{WRW}$ | | P: |
| , V R O D W L R Q 9 R O W D J H | | $9_{LVR}$ | [8] | 9 U P V |

| | | | |
|---|---|---|---|
| Soldering Temperature | $T_{sol}$ | 260 | |

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NOTE2 ( } Œ í u ] v µ š U Z X , X A ð ì • ò ì 9

## ELECTRICAL CHARACTERISTICS ( Temperature = 25 Á C )

| Parameter | | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|---|
| Input | Forward Voltage | $_FV$ | $I_F$ = 10mA | - | 1.2 | 1.5 | V |
| | Reverse Current | ‰ | $V_R$ = 6V | - | - | 1 | ε A |
| | Terminal Capacitance | € | V = 0, f = 1MHz | - | 70 | - | pF |
| | Reset Current | $I_{F(OFF)}$ | $I_O$ = ϕ (MAX) | 0.1 | - | - | mA |
| Output | Open-circuit leakage current | $I_{Leak}$ | $V_O$ = | | | | |

## ORDERING INFORMATION

J OF M A 2 A F -G6 PCS C

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## Characteristics Curves

**FIG.1: Forward Current vs. Forward Voltage**

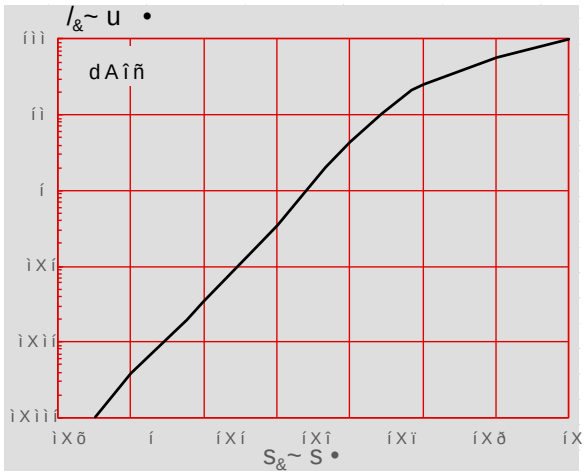


**FIG.2: Max. Allowable LED Forward Current vs. Ambient Temperature**

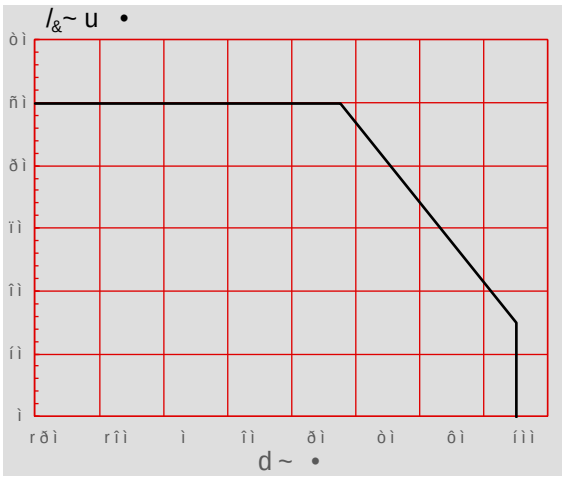


**FIG.3: LED Operate Current vs. Ambient Temperature**

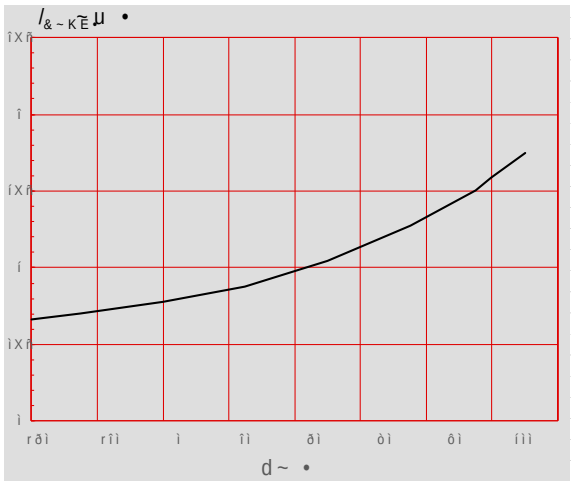


**FIG.4: On Resistance vs. Ambient Temperature**

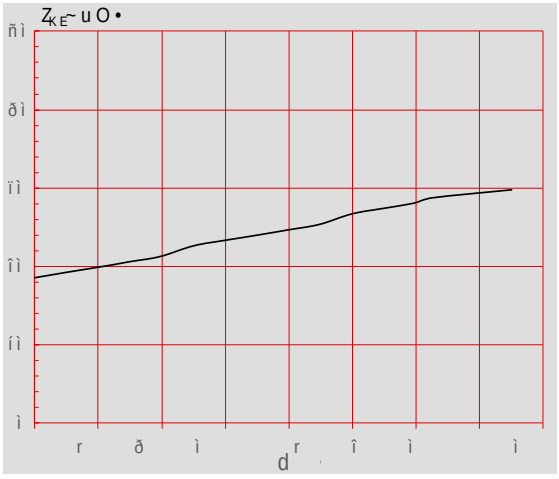


**FIG.5: Turn On Time vs. Ambient Temperature**

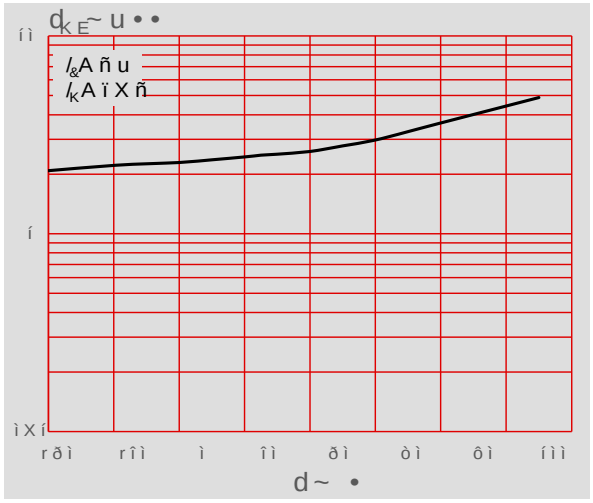
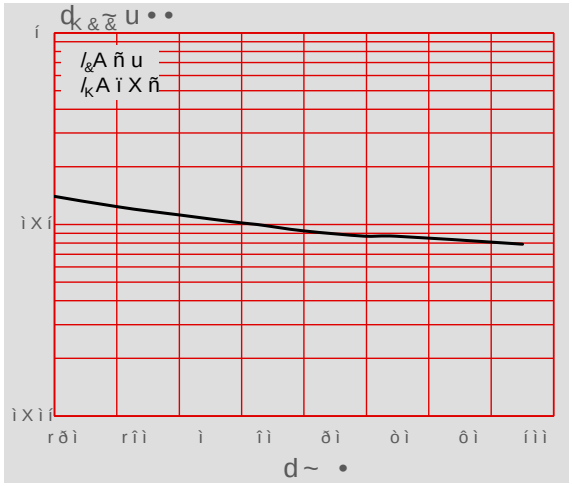
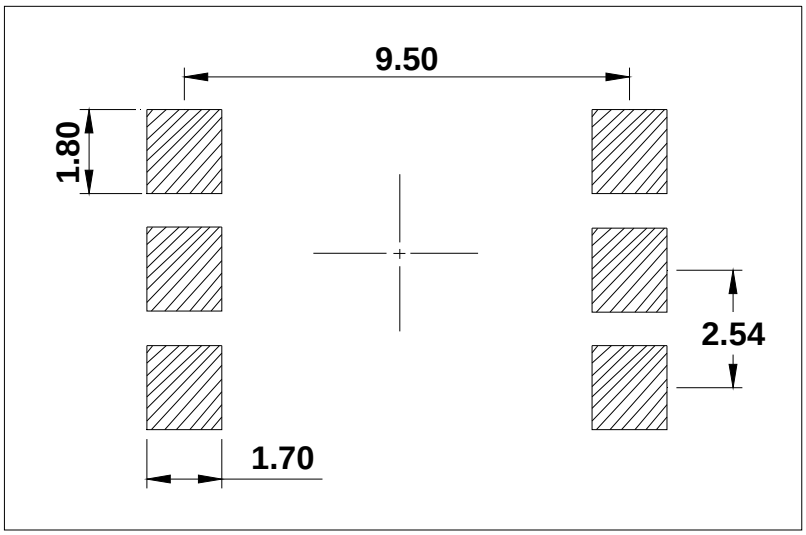


**FIG.6: Turn Off Time vs. Ambient Temperature**



## RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

**Option SMD**

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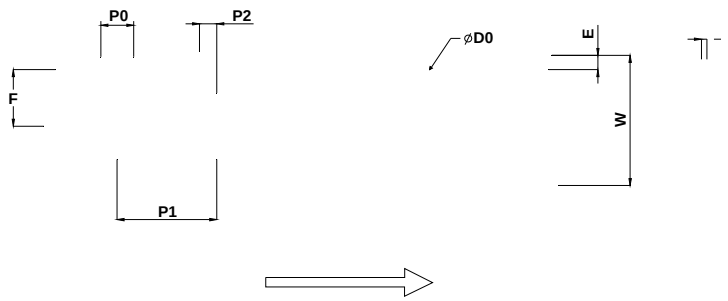
## CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

**Option S/L**




| 5HI | 'LPHQVLRQV | | | | | |
|---|---|---|---|---|---|---|
| | 0LOOLPHWHUV | | | ,QFKHV | | |
| | 0LQ | 7\S | 0D[ | 0LQ | 7\S | 0D[ |
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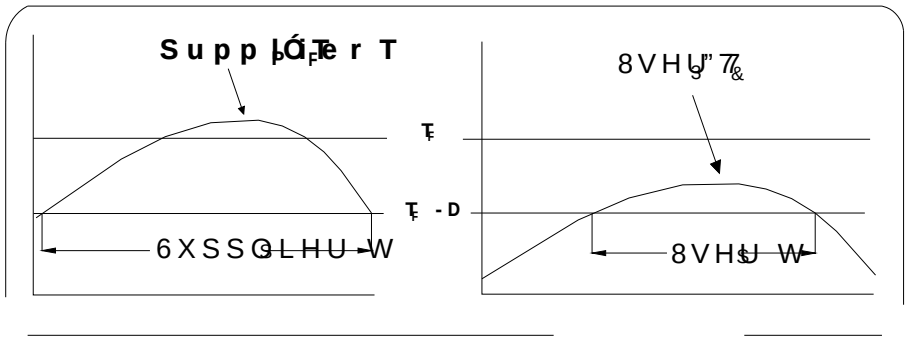
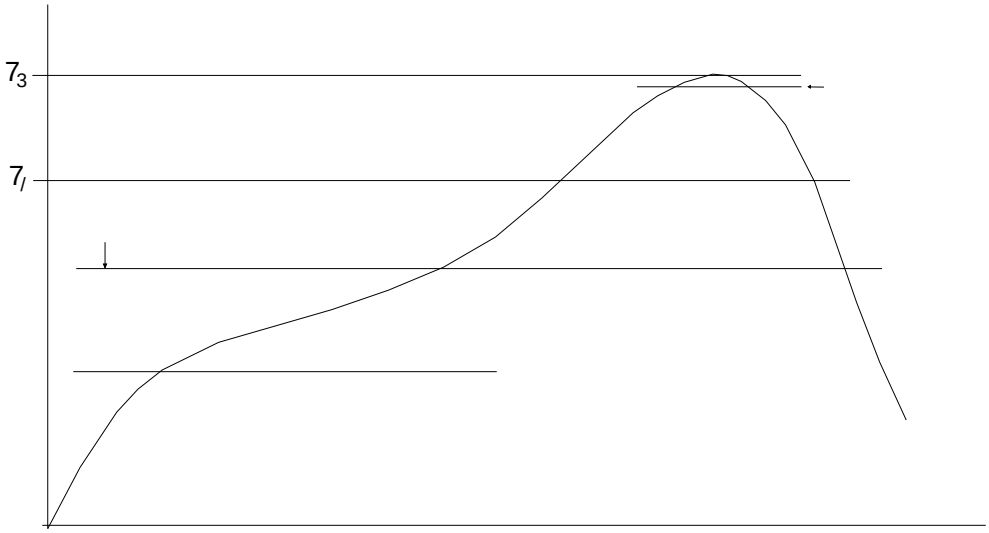
## REFLOW INFORMATION



## WAVE SOLDERING


| HAND SOLDERING BY SOLDERING IRON | |
|---|---|
| 6ROGHULQJ 7HPSHUDWXUH | f |
| 6ROGHULQJ 7LPH | V PD[ |

**Note:**

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

**2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.**

**3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.**

**4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.**

**5. The component has a shelf li f**