



JOCMA57D-SVS4

Rev.A.1.0

DESCRIPTION:

7KH SURGXFWV DUHODSVQ7KSWGFHDFU LV D YHUI
VPDOO RXWODQH QSC RWRUHOD\ VXLWDEOH IRU VXUIDFH PH
DVVHPEO\ ,W FRQVLVWV RI DQ LQIUDUHG /(' RSWLFDOO\ FR
SKRWR 026))(7 DQG LV RZXVHSDQDJH ,W IHDWXUHV
ORZ RXWSXW FDSDFLW\QFHD&M)RQRO VZLWFKLQJ RI
KLJK IUHTXHQF\ VLJQDOO PDUNVQILWVQJ DSSOLFDFWLR
LQ KLJK VSHHG WHVWHWUH7ZHGSHORGXVHG LQ DXWRPDWL
WHVW HTXLSPHQW KLVWVSHHG RJKFV,SHHG PHPRU\
WHVWHUV DQG PHDVXULQJ LQVWUXPHQVV

MAIN FEATURES

,VRODWLRQ YROMDJH
2SHUDWLQJ WHPSHUDWXUH WR f &
5(\$+ 5R+6 FRPSOLDQFH
+%0 + \$ 00 0 &'0 &
&4& DSSURYHG
9'(DSSURYHG
8/ DSSURYHG

ABSOLUTE MAXIMUM RATINGS P7HP SHUDWXUH f &

Characteristics Curves

FIG.1: 0D[\$OORZDEOH /(')RUZDUG \$PELHQW 7HPSHUDWXUH

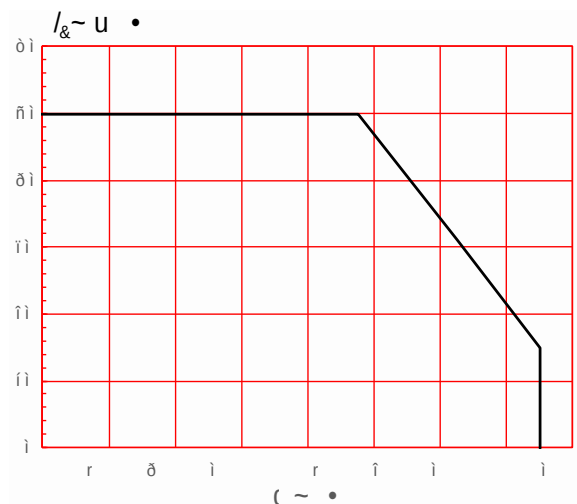


FIG.2: 2QVWYWH &XUUHQW YV \$PELHQW 7HPSHUDWXUH

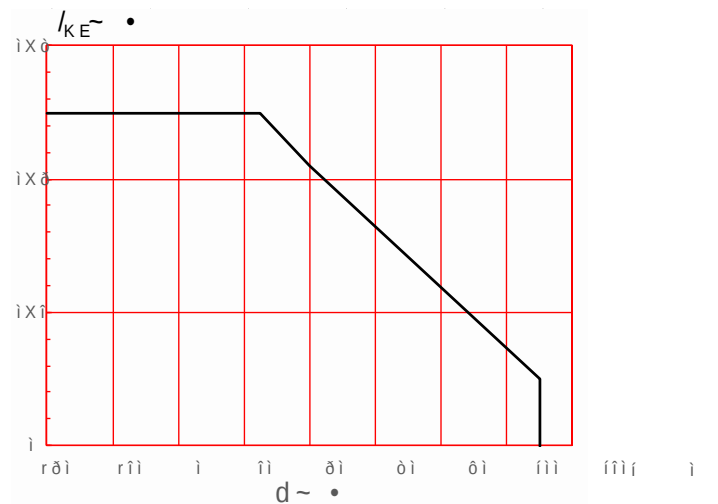


FIG.3: /(')RUZDUG &XUUHQW YV /(' 9ROWDJH

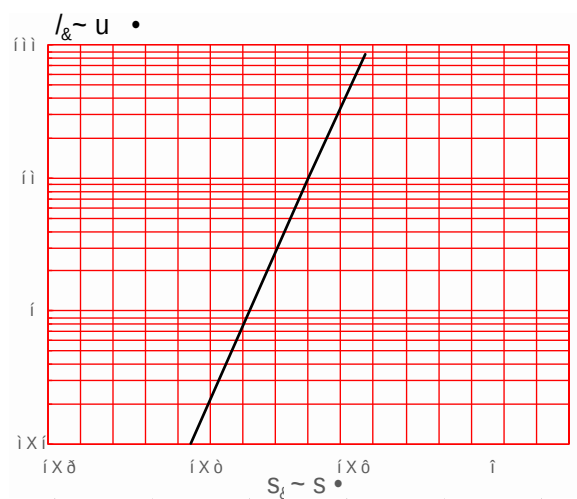


FIG.4: 2QVWYWH &XUUHQW YV 2QV

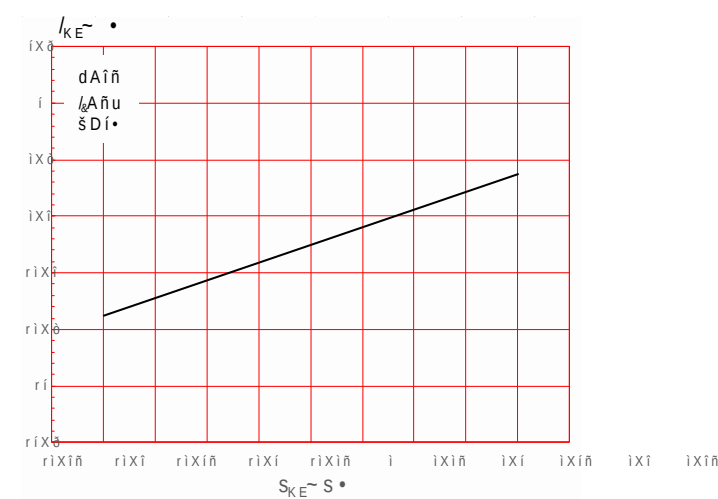


FIG.5: 2Q 5HVLVWYWH &XUUHQW 7HPSHUDWXUH

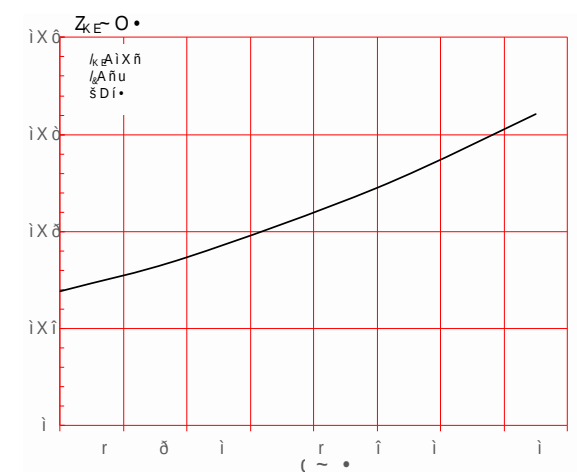


FIG.6: 7ULJJHU /(' &XUUHQW YV \$PELHQW 7HPSHUDWXUH

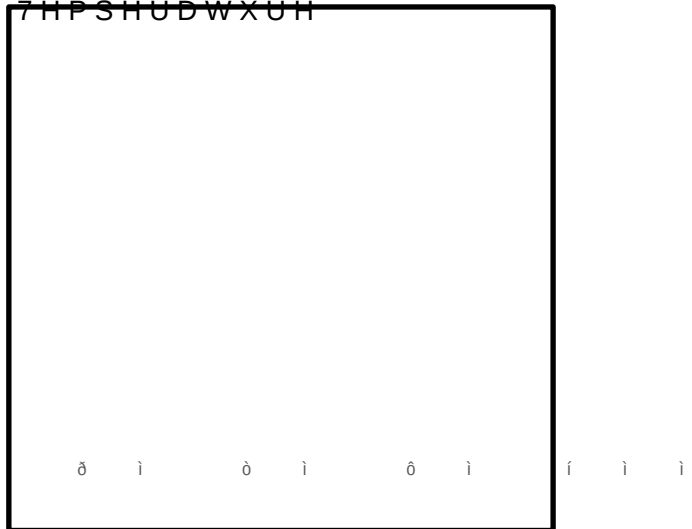


FIG.7: $I_{CE} \sim I_{AD}$ & $I_{CE} \sim I_{AD}$ YV /(')RUZDUG &XUUHQW VFIG.8: $I_{CE} \sim I_{AD}$ YV \$PELHQW 7HPSHUD

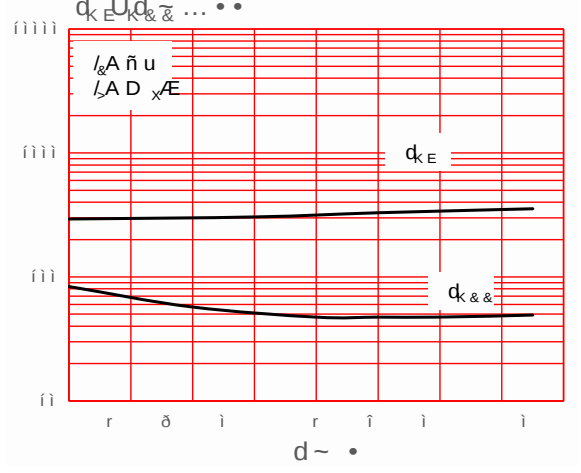
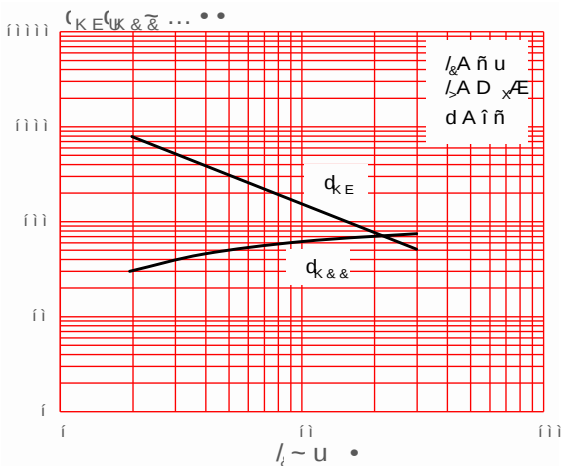


FIG.9: $I_{CE} \sim I_{AD}$ &XUUHQW YV 2II VWDWH FIG.10: $I_{CE} \sim I_{AD}$ &XUUHQW YV \$P 7HPSHUDWXUH

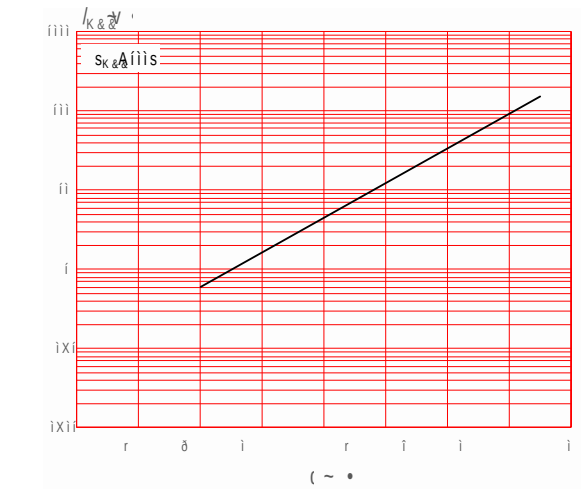
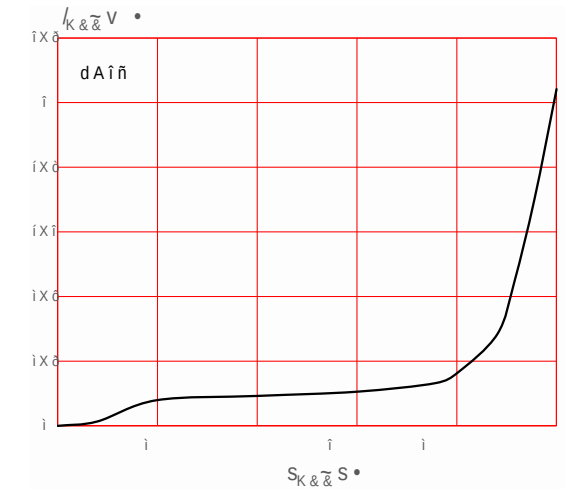
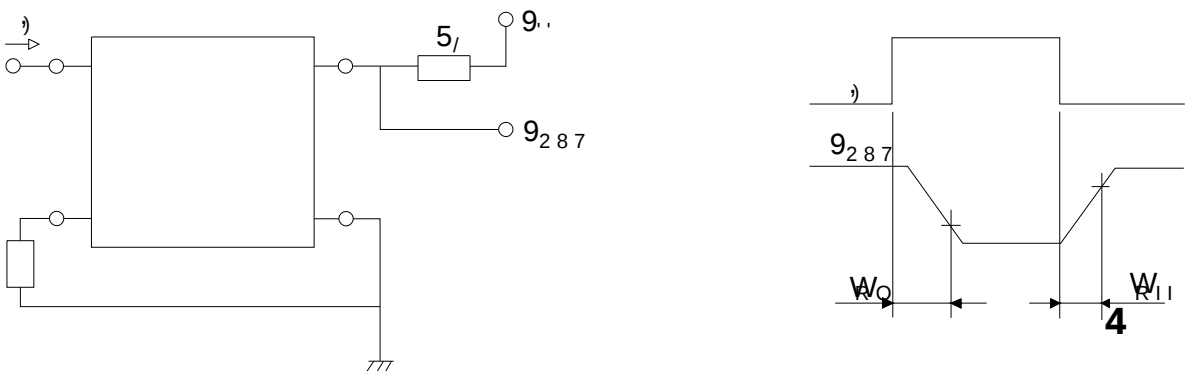
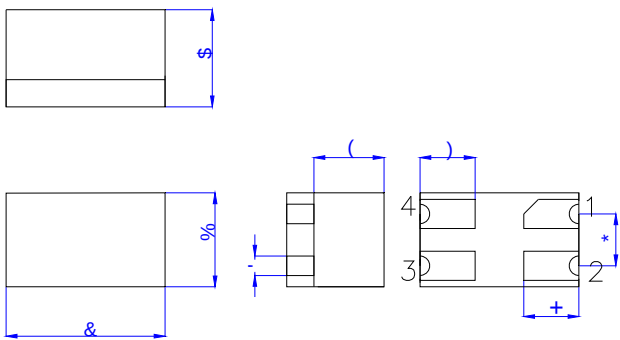


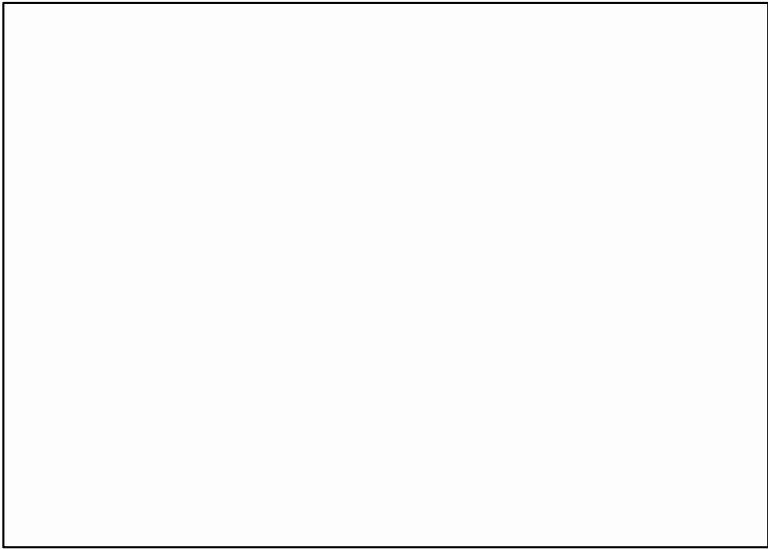
Fig.11: Switching Time Test Circuit and Waveform



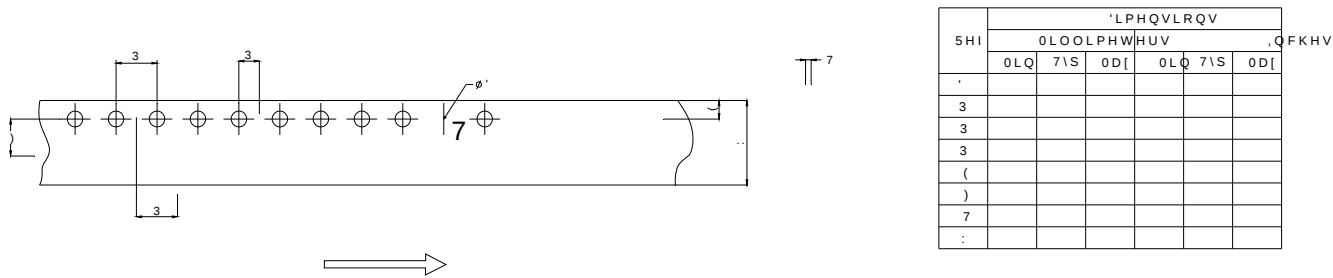
Package Dimension (Unit: mm)



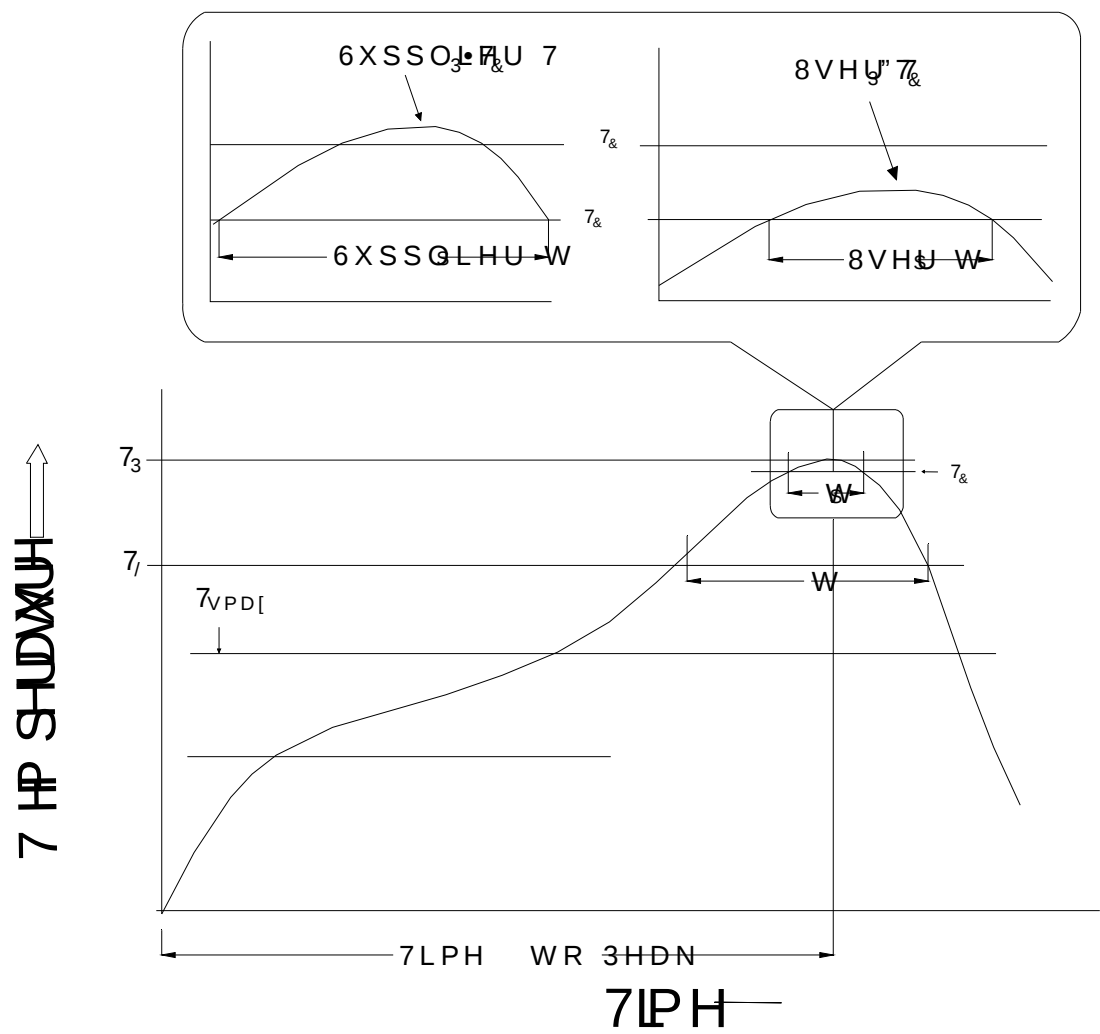
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CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)



REFLOW INFORMATION



1RWH

5HIORZ VROGHULQJ LV UHFRPPHQGHG/ DWKZQH QHPSHWDWWDQWWDQW
 \$YRLG GLUHFV FRQWHDVSRPHQZDQVWRUDFRU H[FHHGLQJ LWV PD
 VWRUDJH WHPSHUDWXUH

\$SSOLFDWLRQ RKHSUSTRYXERGRQWLSOHGDDWHG WHPSHUDWXUHV ,QV
 VFHQDULRV DQHPSVOLHQWRHFFHHG 1

(QVXUH WKH FRPSRQHGW KDV FRROHG SURFHENGHQWZMXPSHWDWWDQW
 PDQXIDFWXULQJ VWHSV

7KH FRPSRQHGW KDV BQKHODUZKHQVWDQGHGKFRQGLWLRQV

5HFRPPHQG VWRUDJH 7HPS a f&

5HFRPPHQG VWRUDJH KXPLGLW\

06/ OHYHO 06/

,QIRUPDWLRQ IXUQXPHQW ILQWKOLHGRHG WR EH DFFXUDWH
 -LDQJYX -LH-LH 0LRRHWHGWDVQXLFHVQLVUHVSRQVHLERQVHT
 RI XVH ZLWKRXW FRQVLGHUDWLRQ IRG MWFKQIRUPDWLRQ
 LQ WKLV GRFXPHQW LQJYXZLWHKFWWRQRWLFH DSDUW IURP V
 VLJQHG -LDQJYXOLHVLZLWKPKH DJUHHPHQW

3URGXFV DQG LQIRUPDWLRQ SURYLGHG LQHWKQVRGSDXPH
 -LDQJYX -LH-LH DVVXPHLOQW\URVSDQVLQIULQJHPPHQW RI RW
 ZKLFK PD\ UHVXOW IURP WKH XVH RI VFKL SURFXPHQW DQGH
 DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXVO\ VXSSOLHG



LV D UHJLVWHUHGDQJYXZLWHKFWWRQRWLFH DQGH
 &RS\UKJKW -LDQJYX -LH-LH 0LRRHWHGWDVQXLFHVQLVUHVSRQVHLERQVHT