

\$& - 7 + & : \$ 7 5 , \$ & 5HY \$

^ Z / W d / K E W

7KH \$& - 7 + & : WULDF LV VXLWDEOH IRU JHQHUDO SXUSR
 \$& VZLWFKLQJ , W FDQ EH XVHG DV DQ 21 2)) IXQFWLRQ LQ
 DSSOLFDWLRQV V'KODDWRQDLQGXFWLRQ PRWRU
 VWDUWLQJ FLUF'RQWROR'SHKUDWLRQ LQ OLJKW
 GLPPHUV PRWRU'SHUHG FR'R7 + & :
 HPEHGV D 796 VWUXFWXUH WR DEVRUE WKH LQGXFWLYH WX
 HQHUJ\ VXFK DV WKRVH GHVFULEHG LQ WKH , (&
 VWDQGDUGV 3DFNDJH 72 LV 5R+6 FRPSOLDQW

D / E & dhZ ^

| | | |
|-------------|-----------|---------|
| 6 \ P E R O | 9 D O X H | 8 Q L W |
| , 7 5 0 6 | | |
| 9 5 0 9 5 0 | | 9 |
| , * 7 | | P \$ |

| | | |
|--|--|----|
| | | |
| | | \$ |
| | | |
| | | |

^ K > h d D y / D h D Z d / E ' ^

| | | | |
|---|-------------|-----------|-------|
| 3 D U D P H W H U | 6 \ P E R O | 9 D O X H | 8 Q L |
| 6 W R U D J H M X Q F W L R Q W H P S H U D W X U H U D Q J H | | | |
| 2 S H U D W L Q J W H P S H U D W X U H U D Q J H | | 7 | |
| 5 H S H W L W L Y H S H D N R M I V W D W H Y R O W D J H | | 7 | 9 |
| 5 H S H W L W L Y H S H D N W H Y H U V H 9 5 6 R O W D J H | | 7 | 9 |
| 5 0 6 R Q V W D W H & F X U U H Q W | 7 , 7 5 0 6 | | |
| 1 R Q U H S H W L W L Y H V X U J H S H D N R Q V W D W H F X U U H Q W | | | \$ |
| 1 R Q U H S H W L W L Y H V X U J H S H D N R Q V W D W H F X U U H Q W | 7 6 0 | | \$ |
| , W Y D O X H I R U P X V L Q J W | , W | | \$ V |
| & U L W L F D O B D W G R W D W H F X U U H Q W | G , G W | | \$ V |
| ; h , * 7 l +] M 7 | | | |
| 3 H D N J D W H F X U U H Q W W | , 0 | | \$ |
| \$ Y H U D J H J D W H S R Z H U G L V V L 3 9 W L R Q | 7 | | |
| 3 H D N J D W H S R Z H U | 3 * 0 | | : |

\$ & - 7 + & : - LH-LH 0LFURHOHFWURQL

| | | |
|--|-----|----|
| 3HDN SXOVH YROWDJH 7M QRQ UHSHWLWLYH RII VWDWH), * | 9SS | N9 |
|--|-----|----|

> dZ/ > , Z d Z^d/ XQOHVV RWKHUZLVH VSHFLILHG

| 6\PERO | 7HVW &RQGLWLRQ | 4XDGUDQW | 9DOXH |
|-----------------|----------------------|----------|-------|
| ,7 | 9 9 5 | 0\$; | P\$ |
| 9*7 | | 0\$; | 9 |
| 9* | 9 9.50 7M 5/ N | 0,1 | 9 |
| / | , * ;7 | 0\$; | P\$ |
| ,+ | ,7 P\$ | 0\$; | P\$ |
| G9 GW | 99 *DWH 2SHQ 7 | 0,1 | 9 V |
| G, GW | F G9 GW F 9 V | 70,1 | \$ PV |
| WQ | , P\$ \$, P\$ 5, P\$ | 7 < 3 | V |
| W ₁₁ | 7M | | |
| 9&/ | &/ P,\$s WP V | 0,1 | 9 |

^d d/ , Z d Z/^d/ ^

| 6\PERO | 3DUDPHWHU | 9DOXH 0\$; | 8QLW |
|--------|--------------------|------------|------|
| 970 | 70 \$sW V M | | |
| 972 | 7KUHVKROG YRQWDJH | 7 | |
| 5' | '\QDPLF UHVLVMDQFH | 7 | P |
| ,50 | 9 9.50 \$ 9550 | 7M | |
| ,550 | | 7M | |

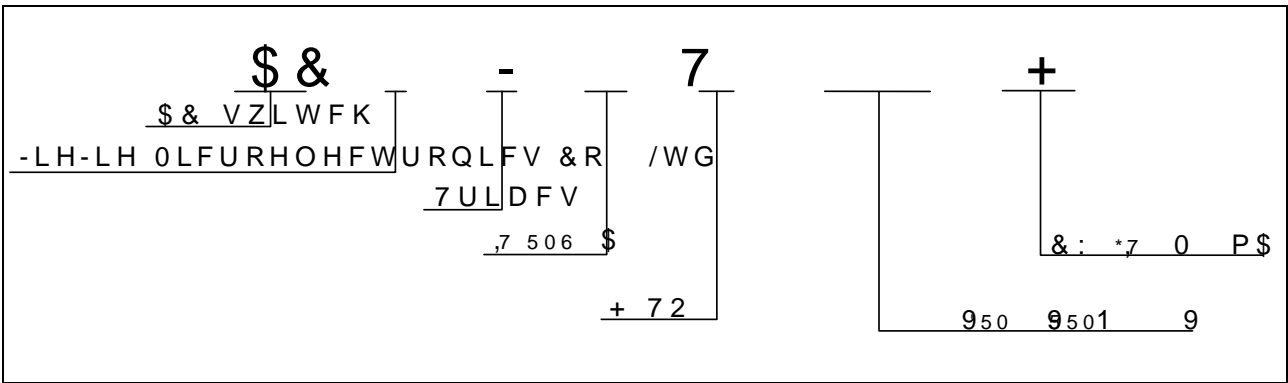
d, ZD > Z ^/^d E ^

| 6\PERO | 3DUDPHWHU | 9DOXH | 8QLW |
|---------|-------------------------|-------|------|
| 5WK M F | MXQFWLRQ WR FDVH \$& | | : |
| 5WK M D | MXQFWLRQ WR DPELHQW \$& | | : |

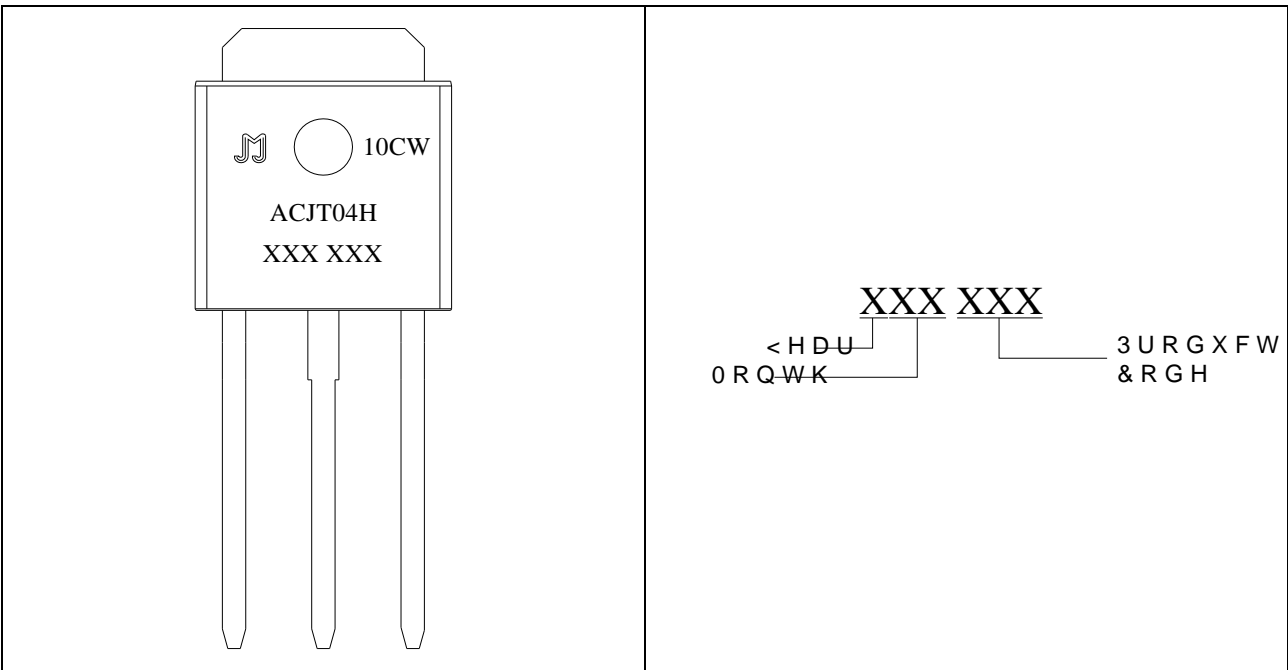
\$ & - 7 + & :

- LH - LH 0LFURHOHFWURQL

KZ Z/E' /E&KZD d/KE



D Z < /E'



\$ & - 7 + & :

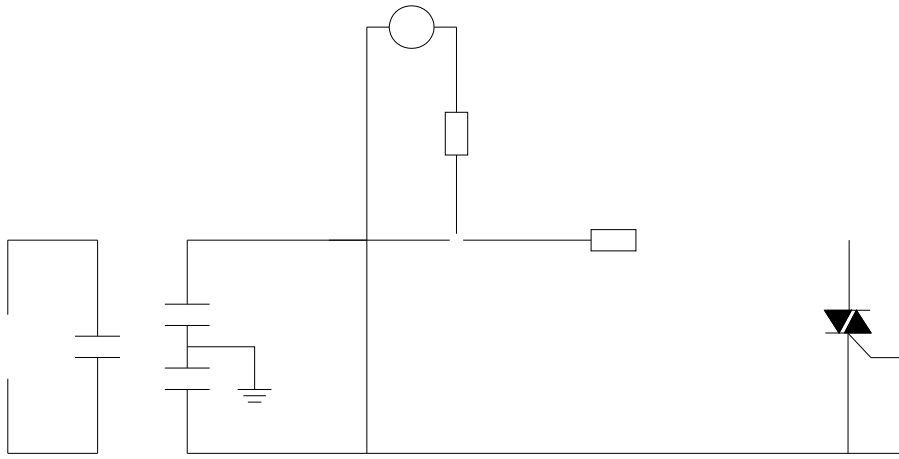
- LH - LH 0LFURHOHFWURQL

), * 0D[LPXP SRZHU GLVVLSDWLRQ YHUVXO65RQ VWDWH FXUUHQW YH
RQ VWDWH FXUUHQW WHPSHUDWXUH

\$ & - 7 + & :

- LH - LH 0LFURHOHFWURQL

), * Ö7HVW FLUFXLW IRU LQGXFWLYH DQG UMVQGVUJGH OF



\$&-7 + &:

-LH-LH 0LFURHOHFWURQL

KZ Z/E' /E&KZD d/KE

| 2UGHU FR | 9ROWDJ 9'50 950 9 | ,*7 P\$ | 3DFNDJ | %DVH SFV | 'HOLYHU\ PRGH |
|------------|----------------------|---------|--------|-------------|------------------|
| \$&-7 + &: | | | 72 | | 7XEH |

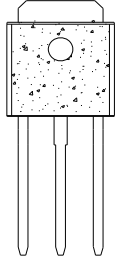
'RFXPHQW 5HYLVLRQ +LVWRU\

| 'DWH | 5HYLVLRQ | &KDQJHV |
|------|----------|--------------------------------------|
| \$SU | \$ | /DVW XSGDWHG |
| 2FW | \$ | 5HYLVH 3\$&.\$*(0(&+\$1,&\$/ '\$7\$ |

\$ & - 7 + & :

- LH - LH 0LFURHOHFWURQL

W < ' D , E / > d



,QIRUPDWLRQ IXUQXPHQW LQ WKOLHGRHG WR EH DFFXUDWH D
 -LDQJVV -LH-LH 0LURRHOHFWURHOHFWURQL UHRSRQVHLERQVHT
 RI XVH ZLWKRXW FRQVLGHUDWLRQ IRG MWFKQLQIRUPDWLRQ
 LQ WKLV GRFXPHQW LQJXZLWHFRXWRQRWLFH DSDUW IURP V
 VLJQH -LDQJVSOLHVLZILFRPWKH DJUHHPHQW
 3URGXFWV DQG LQIRUPDWLRQ GRFXPHQW KDYH QR LQIULQJ
 -LDQJVV -LH-LH DVVXPHLOQRUIRUSRQWIRQKHQJWHJKWWRIWH
 SDUWLHV ZKLFK PDXVXROW XFKPSWBDFWRQDQKILQGRFXPH
 VXSHUVHGHV DQG UHSODFHV DOO LQIRUPDWLRQ SUHYLRXV
 LV D UHJLVWHUHGDWJDXGLFDUNRUFURHOHFWURQLFV &
 &RS\ULJKW < -LDQJVRHOHEMURQUEYK&RV UHWGHUSHG