

## 7UHQFK 026 %DUULHU 6FKRWWN\ 5H

### Features

- ‡ \$GYDQWUHQFK WHFKQRORJ\
- ‡ /RZRUZDURGDWDJH GURS
- ‡ /RZRZURVVHV
- ‡ +LJHILFLHQF\ RSHUDWLRO
- ‡ /HDGH)HLQLVK &R#6OLDQW

763 / \$)

SMAF



&DWKRGH \$QRGH

### Applications

- ‡ '&' &RQYHUWHUV
- ‡ \$&'&GDSWRUV
- ‡ 6ZLWFKRZHXSSOLHV
- ‡ )UHHZKH'HLRGLJ

Maximum ratings and electrical characteristics (TJ = 25°C unless otherwise noted)

| 3DUDPHWHU   |       | 6\PERO         | /LPLW | 8QLW |
|---|-------|----------------|-------|------|
| 0D[LPXLFHSHVSHUNYHYURQHW DJH                            |       | 9550           |       | 9    |
| 0D[LPXDPYHURDJH ZDUG UFXEWHIQWG                         |       | ,) \$9         |       | \$   |
| 3HDN IRVZDURSUHQW VLQDQH ZDYH<br>VXSHULPSRVHGRFSGURVGHG |       | ,)60           |       | \$   |
| 2SHUDMXQRVLRQWRUDJH WHPSHUDW<br>XOH 06DJH WR            |       |                | WR    | f&   |
| 7\SLFDO WKHUPDO UHVLVWDQFH SHU<br>ORXQWHG RQ )5 3&%     |       | GLRGH<br>5\$-& |       | f& : |
| ,QVWDQWDQHRXV IRUZDUG YROWDJH                           |       | 9)             | 7<3   | 0\$; |
|   | ,) \$ |                | 7-    | f&   |
|   | ,) \$ |                | 7-    | f&   |
|   | ,) \$ |                | 7-    | f&   |
| ,QVWDQWDQHRXV UHVRUQWH<br>UDWHYHYURQHW DJH              |       | ,5             |       | X\$  |
|   |       |                | 7-    | f&   |

1RWHV

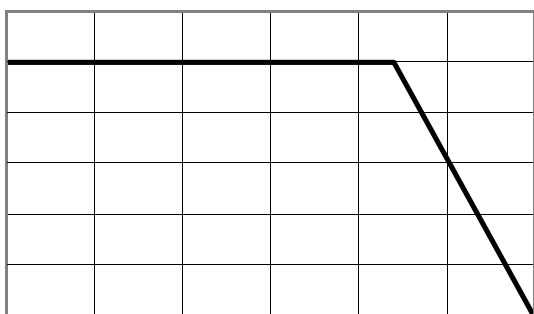
3XOVH WHVVSXOVH ZLGWK GXW\F\FOH

3XOVH WHVW 3XOPH ZLGWK 0

RATINGS AND CHARACTERISTICS CURVES 7\$

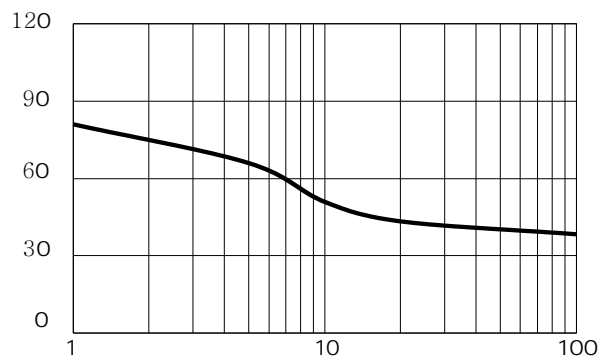
f & X Q O H V Q R W K G U Z L V H

, I \$ Y H U D R H U Z D B U X G U J H \$ Q W



7 F & D V H P \$ &

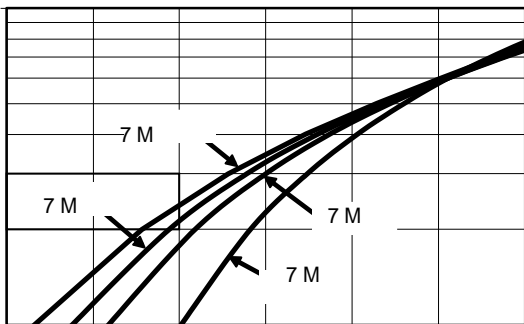
Current Derating, Case



1 X P E R U & \ D W H + V J

Maximum Repetitive Surge Current

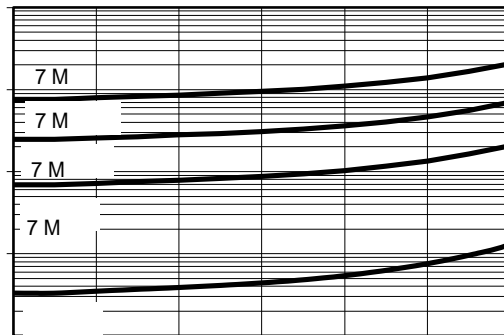
, I , Q V W D Q W J P R O J Z B U X G U J H \$ Q W



9 I , Q V W D Q W D Q H P R O W J H Z D B U G

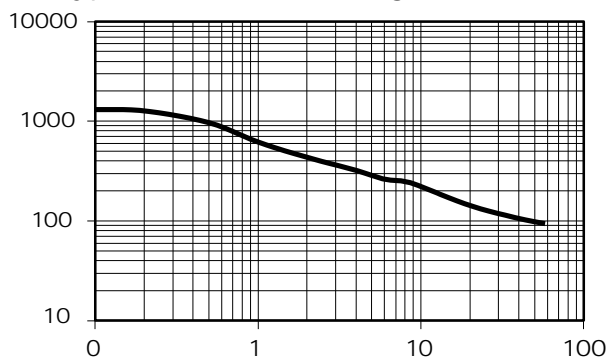
Typical Forward Voltage

, U S H Y H & X H U J H K \$ W



9 5 5 H Y H U V H 9 R O W D J H 9 R O W V

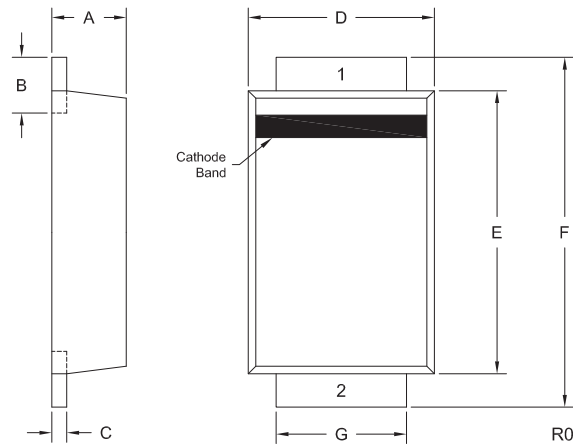
Typical Reverse Current



Typical Junction Capacitance

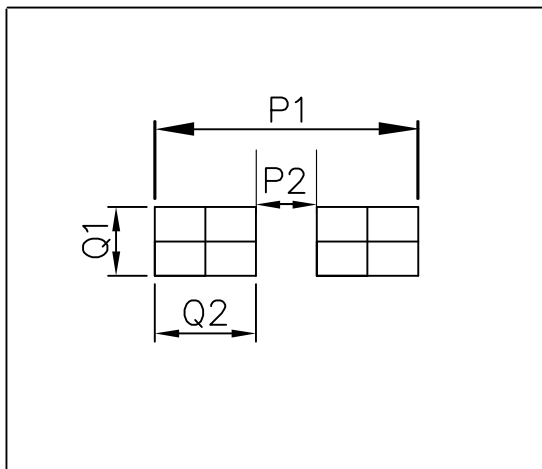
PACKAGE OUTLINE DIMENSIONS

60 \$)

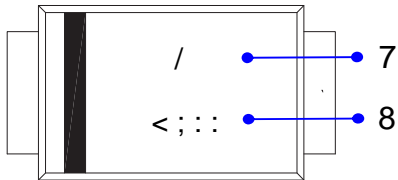


|  |  |      |       |      |       |        |        |       |
|--|--|------|-------|------|-------|--------|--------|-------|
|  |  |      |       |      | 8     |        |        |       |
|  |  | 85   | 0     | 1    | 2     | 2      | 2      | 20    |
|  |  |      |       |      | 10.24 | 153.54 | 192.91 | 64.96 |
|  |  | 3.46 | 19.68 | 4.33 | 86.61 | 125.98 | 165.35 | 47.24 |

60 \$) 6 X J J H V W D H G \ R X W



|      |     |   |   |   |   |
|------|-----|---|---|---|---|
| 81,7 |     | 3 | 3 | 4 | 4 |
| PP   | PLQ |   |   |   |   |
| PLQ  | PLQ |   |   |   |   |



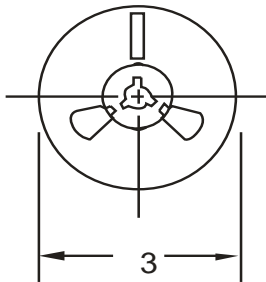
3URGXFW 763GH\$) LV DEEUHYLDWHG V  
83' & LQIRUFDWLRQ

< ; ::

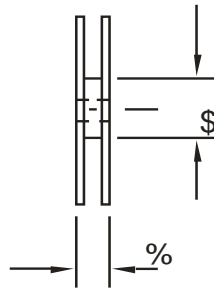
:: :HHN FRGH WR  
; ,QWHUQDO LGHQWLILFDWLRQ  
< <H DU FRGH H[

3DFNDJLQJ ,QIRUPDWLRQ

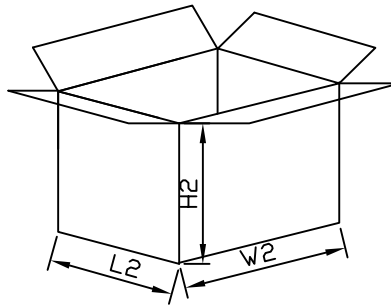
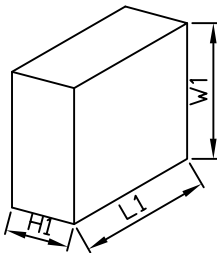
5HHO 'LPHQVLRQV



,QVLGH %R[



2XWVLGH %R[



3DFNDJLQJ ,QIRUPDWLRQ

| 12   | 81, | 5HHO 'LPHQVLRQ                   |    |   | ,QVLGH %R[ |   |   | 2XWVLGH %R[ |   |   |
|------|-----|----------------------------------|----|---|------------|---|---|-------------|---|---|
| 6L]H | PP  | &                                | \$ | % | /          | : | + | /           | : | + |
| 47<  | 3&6 | 6PDO SHFWDJH 3&6 UHHO3&6 UHWDWDO |    |   | 3&6 FDUWRQ |   |   | 3&6 FDUWRQ  |   |   |
| 1RWH |     | 7ROHUDQFPP" PP                   |    |   | PP" PP     |   |   | PP" PP      |   |   |