## 5 é / Descriptions

n µ É xRK Ô Â 8 â ’ k F g 9 y < k 3 g v y ' k V º SMBF / xož
Surface Mount Schottky Barrier Rectifier, Reverse Voltage:40V,Forward Current:3.0A,SMBF thin package.

## ¤ ª / Features

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Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications.Halogen free product.

## Ð ÷ / Applications

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General purpose.

## Ã W ] Ô · / Equivalent Circuit

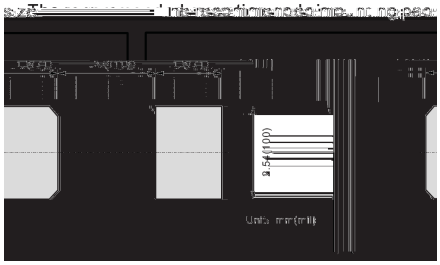


## • Û - æ / Pinning

1 

2

| PIN | DESCRIPTION |
|---|---|
| 1 | Cathode |
| 2 | Anode |



## , M V / Marking

• - ~ ª ¢ož See Marking Instructions.

## Ã a ? d / Absolute Maximum Ratings(Ta=25 ; )

| @ ƒ<br>Parameter | @ ƒ … Z<br>Symbol | ƒ ›<br>Rating | % y<br>Unit |
|---|---|---|---|
| Maximum Repetitive Peak Reverse Voltage | $V_{RRM}$ | 40 | V |
| Maximum RMS voltage | $V_{RMS}$ | 28 | V |
| Maximum DC Blocking Voltage | $V_{DC}$ | 40 | V |
| Maximum Average Forward Rectified Current at $T_c$=100 | $I_{F(AV)}$ | 3.0 | A |
| Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load | $I_{FSM}$ | 80 | A |
| Typical Junction Capacitance[1] | $C_j$ | 350 | pF |
| Typical Thermal Resistance[2] | $R_{JA}$ | 47 | /W |
| Operating Junction Temperature Range | $T_j$ | -55~+150 | |
| Storage Temperature Range | $T_{stg}$ | -55~+150 | |

Note:

1 Å Measured at 1MHz and applied reverse voltage of 4 V D.C.

2 Å P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areas.

## Ô4ì × ? d / Electrical Characteristics(Ta=25 ; )

| @ ƒ<br>Parameter | @ ƒ … Z<br>Symbol | y ¡ Ú ^<br>Test condition | ƒ ›<br>Rating | % y<br>Unit |
|---|---|---|---|---|
| Max Instantaneous Forward Voltage | $V_F$ | $I_F$=3.0A | 0.45 | V |
| Maximum DC Reverse Current at Rated DC Reverse Voltage | $I_R$ | $T_a$=25 | 0.3 | mA |
| | | $T_a$=100 | 5 | |

## Ô ? d • Ž ¢ / Electrical Characteristic Curve

## Ø ¤ = ) ¢ / Package Dimensions

## , M y ƒ / Marking Instructions

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SL34B y º Z W A

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Note:

SL34B y Product Type Code

**** y Lot No. Code k The 1st * means:YM Code k The last 3 * means:little Lot No Code

š WD t ... • Ž ¢ ( x / ) / : K S V K X G Z [ X K 6 X U L O R K L U X / 8 8 K L R U ] 9 U R J K X O T M 6

ª ¢ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.

3.