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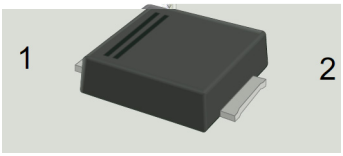
Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications.Halogen free product.

Ð ÷ / Applications

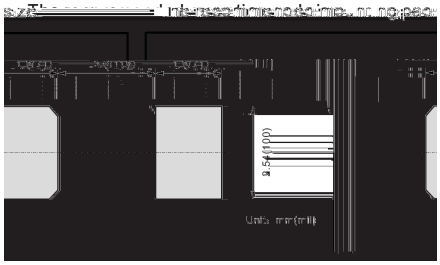
%² " (
General purpose.

Ã W] Ô · / Equivalent Circuit

• Û - æ / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



, M V / Marking

• - ~ ª ¢ož See Marking Instructions.

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

@ ƒ Parameter	@ ƒ … Z Symbol	ƒ › Rating	% y 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 Parameter	@ ƒ … Z Symbol	y ¡ Ú ^ Test condition	ƒ › Rating	% y 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.