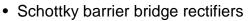
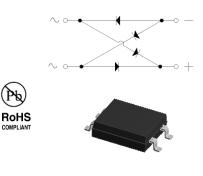


Features



- Low profile, Max Height 1.30mm
- Very Low forward voltage drop
- Low leakage current
- Moisture sensitivity: level 1, per J-STD-020
- High surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds



LPMB

Typical Applications

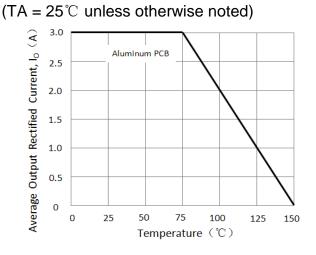
For use of fast swiching in RF module, lighting, cellular phone, portable device, power supplies and other consumer applications.

Maximum Ratings (TA = 25 °C unless otherwise noted)						
Parameter	Symbol	LMS34	Unit			
Maximum repetitive peak reverse voltage	VRRM	40	V			
Maximum RMS voltage	VRMS	28	V			
Maximum DC blocking voltage	VDC	40	V			
Maximum average output rectified current	lo(AV) ¹⁾	3.0	А			
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load	IFSM	80	А			
Operating junction temperature range	TJ	- 55 to + 150	°C			
Storage temperature range	T _{STG}	- 55 to + 150	°C			

Electrical Characteristics (TA = 25 °C unless otherwise noted)						
Parameter	Test Conditions	Symbol	LMS34	Unit		
Maximum instantaneous forward voltage	IF=1.5A,TA=25℃	V _F	0.45	Volts		
Maximum DC reverse current at rated DC blocking voltage	TA=25°C	I _R	200	uA		
	TA=125°C		30	mA		
Typical junction capacitance	4.0 V, 1 MHz	CJ	192	pF		
Typical thermal resistance ¹⁾	juntion to ambient	R _{eja}	50	°C/W		
Notes:	1. On 20*20mm aluminum substrate PCB with 1.3*1.3mm solder pads					



Ratings and Characteristics Curves





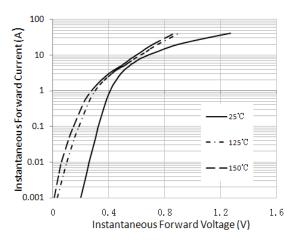


Figure 3. Typical Instantaneous Forward Characteristics

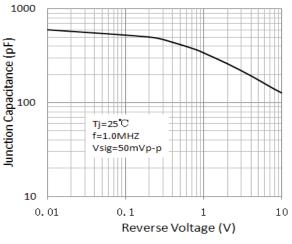


Figure 5. Typical Junction Capacitance

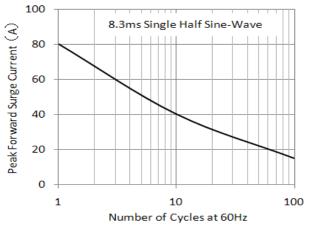


Figure 2.Maximum Non-Repetitive Peak Forward Surge Current

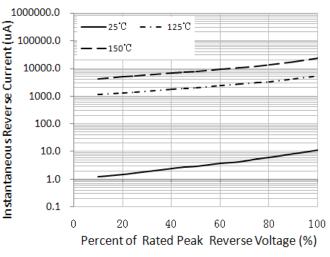
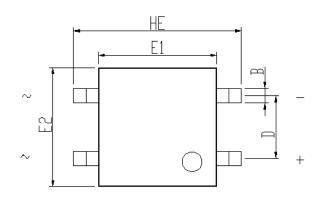


Figure 4. Typical Reverse Characteristics



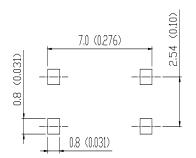
Package Outline Dimensions



DIM	Unit: mm		Unit: inch		
	MIN	MAX	MIN	MAX	
А	1.2	1.3	0.047	0.051	
A1	0	0.1	0.000	0.004	
В	0.5	0.75	0.020	0.030	
С	0.1	0.25	0.004	0.010	
D	2.54 typ.		0.10 typ.		
E1	4.7	4.9	0.185	0.193	
E2	4.7	4.9	0.185	0.193	
L	0.4	0.7	0.016	0.028	
HE	6.65	6.95	0.262	0.274	

Mounting pad layout in mm(inch)

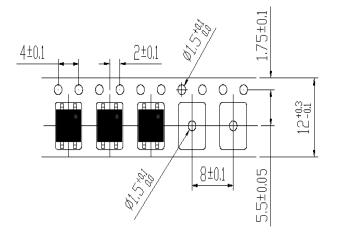




Packing Information

Packing quantities: 4000 pcs/Reel, 15 Reels/Box; 12mm Tape, 13" Reel

Tape & Reel Specification





Disclaimers

These materials are intended as a reference to assist our customers in the selection of the Suzhou Good-Ark product best suited to the customer's application; they do not convey any license under any intellectual property rights, or any other rights, belonging to Suzhou Good-Ark Electronics Co., Ltd.or a third party.

Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, or infringement of any third-party's rights, originating in the use of any product data, diagrams, charts, programs, algorithms, or circuit application examples contained in these materials.

All information contained in these materials, including product data, diagrams, charts, programs and algorithms represents information on products at the time of publication of these materials, and are subject to change by Suzhou Good-Ark Electronics Co., Ltd. without notice due to product improvements or other reasons. It is therefore recommended that customers contact Suzhou Good-Ark Electronics Co., Ltd. for the latest product information before purchasing a product listed herein. The information described here may contain technical inaccuracies or typographical errors. Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, liability, or other loss rising from these inaccuracies or errors. Please also pay attention to information published by Suzhou Good-Ark Electronics Co., Ltd. by various means, including our website home page. (http://www.goodark.com)

When using any or all of the information contained in these materials, including product data, diagrams, charts, programs, and algorithms, Please be sure to evaluate all information as a total system before making a final decision on the applicability of the information and products. Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, liability or other loss resulting from the information contained herein.

The prior written approval of Suzhou Good-Ark Electronics Co., Ltd. is necessary to reprint or reproduce in whole or in part these materials.

Please contact Suzhou Good-Ark Electronics Co., Ltd. or an authorized distributor for further details on these materials or the products contained herein.