



ULTRA LOW VF SCHOTTKY BARRIER RECTIFIER

Voltage

40 V

Current

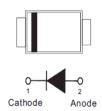
3 A

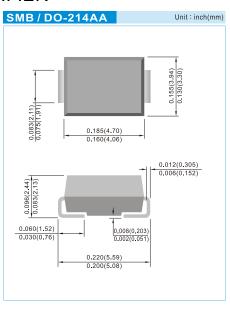
Features

- Ideal for automated placement
- Ultra low forward voltage drop, low power loss
- High efficiency operation
- Low thermal resistance
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

Mechanical Data

- Case: SMB package
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Weight: 0.003 ounces, 0.092 grams.
- Marking: Part number





Maximum Ratings And Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNIT		
Maximum repetitive peak reverse voltage		Vrrm	40	V	
Maximum rms voltage		VRMS	28	V	
Maximum dc blocking voltage		VR	40	V	
Maximum average forward rectified current		I F(AV)	3	Α	
Peak forward surge current: 8.3ms single half sine- wave superimposed on rated load		IFSM	100	А	
Typical thermal resistance	(Note 1)	$R_{ heta JC}$	10	°C/W	
	(Note 2)	$R_{\theta JA}$	135		
Operating junction temperature range		TJ	-55 to +150	°C	
Storage temperature range		Тѕтс	-55 to +150	°C	

Note: 1. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area.

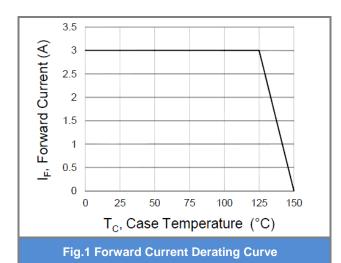
2. Mounted on a FR4 PCB, single-sided copper, mini pad.

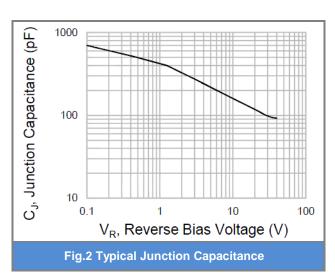


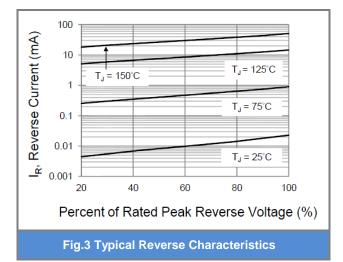


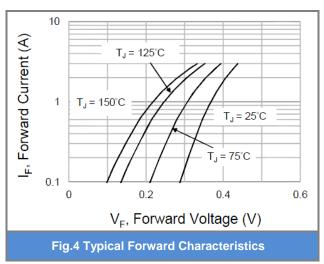
Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =1mA	T _J =25°C	40	ı	-	V
Instantaneous forward voltage	V _F	I _F =0.1A	TJ=25°C	-	0.29	-	V
		I _F =1.5A		-	0.39	-	
		I _F =3A		-	0.44	0.47	
		I _F =0.1A	T _J =125°C	-	0.14	-	V
		I _F =1.5A		-	0.28	-	
Reverse current	I _R	V _R =32V	TJ=25°C	-	15	-	μА
		V _R =40V	T _J =25°C	-	-	100	μА
			T _J =125°C	-	15	-	mA





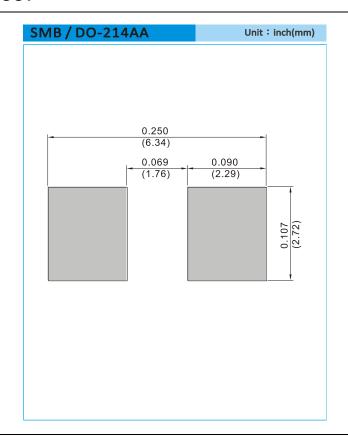








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information
 T/R – 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel





Part No_packing code_Version

SR34L_R1_00001 SR34L_R2_00001

For example:



Packing Code XX			Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	Т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			





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