SR34L			
JLTRA LOW VF SCHOTTKY B		CTIFIER	
Voltage 40 V Curren	t 3 A	SMB / DO-214AA	Unit : inch(mm)
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 standa	ard	0.185(4.70) 0.160(4.06)	(1000000000000000000000000000000000000
Case: SMB package		0.086(2.44)	0.006(0.152)
• Terminals: Solder plated, solderable per MIL-STD-7	750,Method 2026	0.060(1.52) 0.030(0.76)	.203) .051)
<ul> <li>Weight: 0.003 ounces, 0.092 grams.</li> <li>Marking: Part number</li> </ul>		0.220(5.59) 0.200(5.08)	

### Maximum Ratings And Electrical Characteristics (T<sub>A</sub>=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		IF(AV)	3	А	
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		IFSM	100	А	
Typical thermal resistance	(Note 1)	$R_{ ext{ hetaJC}}$	10	°C/W	
	(Note 2)	$R_{ extsf{ heta}JA}$	135		
Operating junction temperature range		TJ	-55 to +150	°C	
Storage temperature range		Тѕтс	-55 to +150	°C	

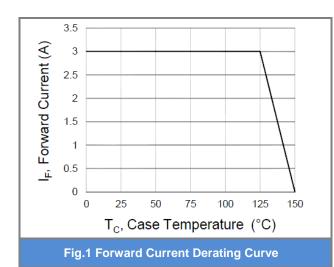
Note : 1. Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area.

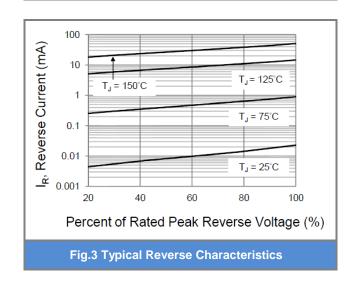
2. Mounted on a FR4 PCB, single-sided copper, mini pad.

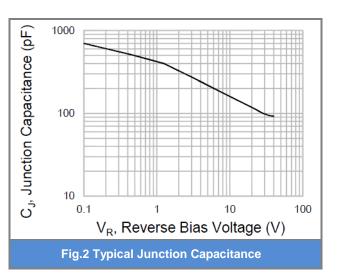


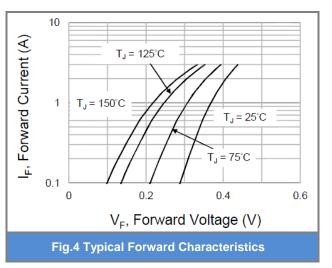
Electrical Characteristics ( $T_A=25^{\circ}C$  unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	$V_{BR}$	I <sub>R</sub> =1mA	TJ=25°C	40	-	-	V
Instantaneous forward voltage	V <sub>F</sub>	I <sub>F</sub> =0.1A	TJ=25°C	-	0.29	-	V
		I <sub>F</sub> =1.5A		-	0.39	-	
		I <sub>F</sub> =3A		-	0.44	0.47	
		I <sub>F</sub> =0.1A	TJ=125°C	-	0.14	-	V
		I <sub>F</sub> =1.5A		-	0.28	-	
Reverse current I <sub>R</sub>		V <sub>R</sub> =32V	TJ=25°C	-	15	-	μA
	I <sub>R</sub>	N/ 401/	TJ=25°C	-	-	100	μA
		V <sub>R</sub> =40V	TJ=125°C	-	15	-	mA



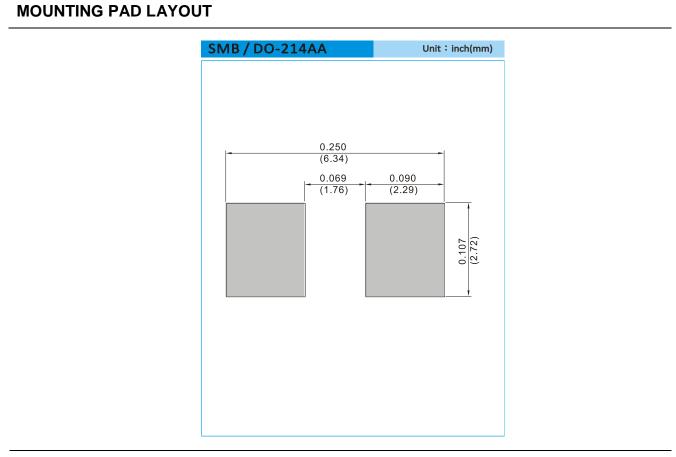












#### ORDER INFORMATION

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 :

#### RB500V-40\_R2\_00001



Version code means HF

Serial number

art No.

# Packing size code means 13" Packing type means T/R

Packing Code XX				Version Code XXXXX		
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	Α	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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